



Annual Report 2025

KTH AI Society

2025-01-01 – 2025-12-31

Message from Chairperson

Once again, KTH AI Society set new standards for what is possible to do for a student organisation. We initiated collaborations with Sweden's and the world's best companies, started development and research projects on the cutting edge of AI, rebuilt our website from scratch, and managed to document all of this with arguably the best looking brand of any non-profit organisation in Europe. All of this allowed us to attract the most driven and ambitious students at KTH across many different disciplines, and I'm thankful for having had the privilege of working with every single one of you.

Leonard Xander

Chairperson, KTH AI Society 2025-2026

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What is an Annual Report?

An annual report is a comprehensive document that provides an overview of an organization's activities, accomplishments, and financial performance over the past year. It is intended to give members, the board, and other stakeholders a clear summary of the organization's key activities, projects, achievements, and financial results. This report serves to ensure transparency and accountability by documenting resource allocation and organizational outcomes. Additionally, the annual report supports future decision-making, strategic planning, and acts as an essential communication tool to engage existing members, attract new participants, and demonstrate the organization's value to the wider Community.

Note that this report also includes significant events and developments that occurred after the close of the fiscal year, up to the General Meeting on 2026-05-09, in order to provide the most complete picture of the society's activities.

Current and previous board members

Board 2024-2025

Chairperson Villim Prpić
Vice-Chairperson Yuusuf Dahlstrand
Head of IT Vilhelm Prytz
Head of AI Development Timothy Besada
Head of AI Research Timothy Lindblom
Head of Business Leonard Xander
Head of Community Yuhui Gan

Board 2025-2026

Chairperson Leonard Xander
Vice-Chairperson Ludvig Bergström
Head of IT Sofie Schnitzer
Head of AI Development Filip Sjöstrand
Head of AI Research Max Decman
Head of Business Kristoffer Westerberg
Head of Community Jackie Wu

Board advisor Villim Prpić
Board advisor Filip Dimitrijević
Board advisor Vilhelm Prytz
Board advisor Bror Nordström

The Year in Numbers

Below is a comparison of KTH AI Society's growth. (Note: Current metrics were recorded as of May 9, 2026, to reflect the most up-to-date standing of the organization prior to publication)

- Total members (in Mattermost, our communication channel): 63 → 99 members
- LinkedIn followers: 2 367 → 5 330
- Total events held: 26 → 33
 - Lunch lectures: 4 → 2
 - Hackathons: 3 → 9
 - Workshops: 13 → 15
 - Networking events: 6 → 7
- Companies collaborated with: 14 → 39

For financial numbers, please refer to the **Financial Report** further down the document.

Overall, 2025 was a year of strong growth, marked by a significant increase in membership engagement, a greater number of events, and deeper collaborations with industry partners.

Activity review

Over the past year, KTH AI Society focused on strengthening the organisation's long-term foundations, professional identity, and external relationships. Several initiatives were launched to support both operational scalability and the society's broader strategic vision.

A key priority was establishing a clearer and more consistent organisational profile, including work related to branding, external positioning, and formalisation of the society's structure. To support long-term continuity and reduce organisational fragmentation, an advisory board structure was introduced to retain experienced and highly engaged members in a strategic guiding capacity. At the same time, relationships with external stakeholders and partner organisations were further developed through collaborations, institutional partnerships, and dialogue with sister chapters both within and outside Sweden.

The society also deepened its integration within the broader innovation and entrepreneurial ecosystem surrounding KTH, including closer collaboration with KTH Innovation and Founders House. These relationships created new opportunities for mentorship, organisational development, and external engagement.

Overall, the year was characterised by a strong focus on building sustainable structures, expanding the organisation's network, and creating a stronger platform for future growth. In the following sections, each team outlines its activities and reflections from the year.

Team activity

AI Research Team

The Research Team grew significantly this year, scaling from two members operating as a single group into four distinct project teams running in parallel. The team dedicated itself to AI research projects that gave members real experience working at the frontier of the field, with work spanning GPU-accelerated bayesian neural networks, robot navigation, extracting topological data and behavioural model benchmarking. These projects had genuine academic and industry relevance. Onboarding was also a priority, with a one-shot paper initiative designed to bring newer members into research early. External relationships were a focus this year too, including collaborations from KTH's RPL lab and Unbox AI for example.. Looking ahead, the main areas for improvement centre around project continuity, clearer scoping from the start and stronger knowledge transfer between cycles to ensure momentum is not lost when members rotate out.

AI Development Team

The primary focus of the Development Team this year was to scale it. From previously just being 2 projects into 4, growing the total number of developers from 10 to 20+. A big factor in being an "AI Society" is the part of actually practicing the domain. The projects we've undertaken have covered several domains of Agentic systems to showcase a wide range of capabilities as a student organization but also an opportunity to try out different areas. Some challenges ahead are to see where we can consolidate our resources and skills: can we have a common framework for development? How do we share architectural components, such as GPU usage and other services across the team? I.e. How do we scale this even more, create a recipe for success, such that we can instantiate even more projects and allow more of KTH's students to gain real hands-on experience with AI applications.

Business Development Team

The Business Development Team focused on expanding relationships with external partners, positioning KTH AI Society as a key figure in Sweden's tech and entrepreneurial ecosystem. By prioritising informative and engaging opportunities for members, these collaborations led to joint events, new sponsorships, and new networking opportunities. The team's efforts also contributed to creating job opportunities for both members and the wider community. Overall, the team reflected positively on the increased engagement with industry partners, while also

identifying areas for improvement. Particularly, the need for more diversity in events, clearer partnership structures with well-defined value propositions, and contractual agreements with external partners.

Growth Team (previously community team)

The Growth Team focused on standardising post structures and internal workflows to ensure consistent and timely communication across channels, in alignment with the wider KTH AI Society. In addition to strengthening operational consistency, the team explored new growth initiatives, including more regular Instagram posting, the launch of a TikTok, email marketing, merchandise, member highlights, and video interviews with external organisations such as YC and Voi, as well as internal teams such as the Twiga Team. On top of the marketing, the Growth team has hosted internal events including the kickoff, Christmas kickout, upcoming grill event, and more.

Overall, the Growth Team reflected positively on a successful year, marked by a twofold increase in LinkedIn followers. Looking ahead, the team identified opportunities to further strengthen KTH AI Society's national presence by placing greater emphasis on relationship management with Sister Chapters and ensuring that the organisation continues to have a tangible and meaningful influence on Sweden's AI landscape.

IT Team

The IT Team has overseen key digital development initiatives throughout the year. A major focus has been the rebuild of the society's website, which has constituted the team's primary project. In parallel, the team has continuously managed and maintained the society's digital infrastructure, including internal communication channels and platforms, to ensure stable and efficient operations. Additionally, the event sign-up process has been transitioned from Google Forms to LUMA, which is now integrated with the website, enabling a more streamlined and scalable approach to event management both internally and in collaboration with partners.

Organizational Development

During 2025, KTH AI Society continued to scale both operationally and structurally to support its rapid growth. Membership increased from 63 to 99 members, with the largest expansion taking place within the AI Development Team, where the number of projects grew from two to four. This growth enabled the society to organize more events, launch additional initiatives, and strengthen its external presence.

To support long-term continuity, the Board Advisor role was formalized with clearer responsibilities connected to governance, branding, infrastructure, and strategic development. Advisory support during the year was provided by Villim Prpić, Filip Dimitrijević, Bror Nordström, and Vilhelm Prytz.

The society also continued strengthening its organizational identity and external positioning through more consistent branding, ongoing work related to brand protection, and expanded collaboration efforts with other AI student organizations in Sweden through sister chapter initiatives and MoUs.

Externally, collaborations with organizations such as KTH Innovation and Founders House broadened the society's entrepreneurial ecosystem and created new opportunities for members through networking, mentorship, and startup exposure.

Structurally, previous informal limitations on team sizes were removed within the AI Development Team and AI Research Team, enabling larger project groups and allowing more students to participate in hands-on AI initiatives.

Overall, 2025 marked a year of organizational maturation focused on scalability, clearer governance, stronger external relationships, and improved continuity across generations of members and board representatives.

Projects Started

During 2025, KTH AI Society initiated several ambitious projects that align with the organization's commitment to innovation and impactful applications of AI.

AI Research Team

The Research Team conducted multiple smaller-to-medium scoped projects throughout the year. Each project ran independently with one tech lead and several developers, with the exception of the RPL collaboration and the workshops,

One-Shot Papers

To support newcomers in getting hands-on experience with research, we introduced a one-shot paper format for all new members. They were partially guided through the process of scoping a research question, conducting the underlying work, writing it up and presenting their findings to the team, based on an existing research paper. The format was deliberately self-contained and time-boxed, lowering the barrier to entry and giving members ownership of an end-to-end research project from day one. Beyond the technical skills, the initiative built foundational academic skills across the team and created a clearer pipeline for newer members to grow into tech lead roles in future cycles.

CUDA-accelerated Bayesian Neural Networks

The team explored the use of CUDA for accelerating Bayesian neural network computations, focusing on optimisations that make probabilistic deep learning more tractable at scale. The project gave members practical experience with GPU programming, custom kernel development and the numerical considerations involved in probabilistic inference. It pushed the boundaries of what the society's technical projects typically cover, exposing members to the intersection of low-level systems work and modern machine learning research.

RPL Robotics Collaboration

In collaboration with the Robotics, Perception and Learning lab at KTH, the team engaged with research on robot navigation and internal spatial representations. Members worked alongside researchers on questions related to how autonomous agents build and use internal models of their environment, gaining direct exposure to active robotics research at one of KTH's leading research groups. The project is still ongoing, with continued contributions planned into the next cycle.

TopoVision: Extracting Topographical Data Using Computer Vision

A collaboration with ReGen Villages on automated 3D terrain reconstruction concluded this year. The project served as a proof-of-concept for procedurally building 3D models of landscapes directly from standard 2D topographical maps, with potential applications in spatial planning and architectural visualisation. The team built a full end-to-end pipeline that combines OCR for reading elevation markers, a trained U-Net model for segmenting contour lines, skeletonisation for instance detection, Hungarian matching to associate elevations with their corresponding contours and a final reconstruction stage that infers a continuous 3D mesh. Members also built a synthetic data pipeline using Perlin noise and digital elevation models to train the segmentation network, addressing the lack of labelled real-world data. The project resulted in a completed open-source research prototype.

Benchmarking Behavioural Models in Collaboration with Unbox AI

The team began a new collaboration with Unbox AI focused on benchmarking behavioural models, evaluating how different model architectures perform on tasks that require reasoning about agent behaviour. Work is ongoing with a paper submission as the target outcome, marking the team's first industry-facing research collaboration of this kind. The project is estimated to be finished during the summer.

Flow Matching Project in Collaboration with SciLifeLab

The Flow Matching collaboration with SciLifeLab was wound down this year, following the completion of the main SciLifeLab supervisor's PhD and limited bandwidth within the team. The decision was a deliberate one, allowing the team to consolidate efforts around projects with stronger member engagement and clearer deliverables.

Data Workshops

The team ran a series of introductory workshops covering the fundamentals of python programming in the domain of data science machine learning. Designed for KTH students and members with little to no prior experience. The workshops provided a practical entry point into the field and helped build a stronger shared foundation across the broader membership.

AI Development Team

The Development Team has 4 undertakings from this year. Each project is run independently with one tech lead and several developers.

Twiga

Twiga is a WhatsApp chatbot built for secondary school teachers in Tanzania. The idea is to give teachers AI tools that help them with tasks that usually take a lot of time, like searching through textbooks, preparing lesson plans, generating mock exams, creating classroom exercises, and generally making class preparation easier and faster. Each teacher is responsible for around 35 to 40 students, so if we help one teacher save time and work better, that impact reaches a whole classroom.

The year in review

Over the last months, we have mainly been working on three areas: product functionality, input support and curriculum coverage. On the functionality side, we have added a lot of new capabilities to the platform. One important area has been STEM support, especially around math- related content and image generation for mathematical explanations inside WhatsApp.

This became a priority after the Ministry of Education in Tanzania told us that STEM subjects were especially important for them (we did this for a potential funding opportunity).

We have also improved monitoring and observability quite a lot. This is important because it helps us understand how the system is performing, how teachers are using it, and where things are working well or not. On top of that, the AI side of Twiga has become much more advanced. Before, the system was quite simple in the way it used LLMs. Now we are working with memory, reasoning and actions; which means the quality of the responses is much better than before. At the same time, we have made strong progress on the Tanzania curriculum side. We have already identified and parsed close to 80 books from Tanzanian secondary education.

We have also started seeing more real usage. A few months ago, barely any teachers were using Twiga regularly. Now we have around 20 to 30 teachers using it more consistently, even if not yet on a daily basis.

Gnosis

Gnosis is a modular, open-source suite for document ingestion and OCR evaluation. It lets you benchmark and swap between models; local, Gemini, OpenAI, to find the best fit for your specific documents, whether that's dense text, scanned PDFs, hand-drawn graphs, or data tables. The core insight is that no single model wins across all document types, and Gnosis gives you the tooling to know which one does, and to change it in an instant.

The year in review

We started trying to run open-source models locally and on VMs with some cloud credits we had. We developed a dedicated inference service which enables a broad range of transformer-based vision models to run. This blocker was fixed by modal. Still, modal was tricky to integrate properly with the wide variety of deps that different models needed + general modal issues, we finally managed to get all that working. Adding OpenAI and Gemini was simple, and the final nail in the coffin was the evals framework. We also squeezed in a minimal frontend with Google OAuth and called it a day after evaluating end-to-end. The product is semi-mature now and generally works alright for most of its planned use-cases.

Pyrmit

Pyrmit is at its core a RAG chatbot for complex development regulations. Developing land is an intricate process that is regulated on different levels of government and through a wide range of legal documents. At Pyrmit, we have a large database of documents ranging from Sweden's national laws down to Vallentuna's development plans dating back to the 70s. And

an agent to help you navigate and understand those documents. Its ran in collaboration with Prof. James Erlich at Stanford.

The year in review

We started of building in Typescript, but realized quickly that we can achieve more using Python, a language all of us were more familiar with. The beginning consisted meetings with James to figure out what is needed and subsequently finding the data we need. After having collected a bunch of data, we started building a RAG agent capable of interpreting Swedish development law and building plans in Vallentuna. Currently, we are looking for more data and a way to include geographic data to make the app more interactive and give more in-depth insight.

Course Community

Course Community is a modular, open-source platform for KTH students to explore courses, share reviews, and receive personalized recommendations. It lets you search across the full KTH catalogue, read structured peer reviews on workload, difficulty, and teaching quality, and get AI-driven suggestions tailored to your interests and study history. The core insight is that course selection at KTH is largely informal with advice that lives in group chats and personal networks. Course Community changes that and gives that knowledge a permanent, structured home.

The year in review

We started by understanding the shape of KTH's course data and figuring out how to make it actually useful. Getting search integrated with the course catalogue was the first real blocker, but the core flow of search → course card → course page is now running end-to-end on a live deployment that stays in sync with the dev branch. The project moved into KTH AIS, which involved migrating resources and tooling across to AIS infrastructure, and that's now done. For search we landed on pg_vector rather than Elasticsearch, a leaner choice that keeps the stack tight, though how well it holds up at scale is still being evaluated. Profile pages, the review system, and a frontend glow-up are next on the list. Being open-source with a clear structure and documented handoffs is what makes this built to grow beyond any single cohort of contributors.

Business Development Team

This year, the Business Development Team initiated The Node. The Node is a concentrated industry event held at Reaktorhallen, designed to connect the KTH AI ecosystem with strategic partners and investors. The event facilitates a unique exchange between technical

talent, founders & startups, industry partners, and researchers, and serves as a high-density intersection for technical talent, academic research, and early-stage AI Ventures. It is planned for the end of 2026.

Growth Team (previously community team)

The growth team doesn't have one huge project we started, but rather multiple smaller projects, which includes "Meet the team" project, video interviews project, and internal kickoffs/kickouts.

IT Team

Event sign-ups have been migrated from Google Forms and Sheets to Luma, which is now the standard platform for all KTH AI Society events. This streamlines communication with signed-up attendees, and Luma events are now integrated directly with the new website. The platform also enables co-hosting event pages with collaborating partners.

Collaborations and Partnerships

Beyond the many collaborations with companies around events, development initiatives, and research projects, KTH AI Society also initiated a deeper collaboration with KTH Innovation. This collaboration gives the society access to KTH Innovation's premises, including the ability to book rooms for meetings, workshops, and selected events.

This relationship represents an important step in strengthening the society's connection to KTH's broader innovation ecosystem. Going forward, it is a collaboration we aim to develop further, both as a practical resource for the organisation and as a strategic partnership supporting entrepreneurship, innovation, and AI-related initiatives at KTH.

Decisions taken during the year

Throughout the year, several significant board decisions were made, including per capsulam resolutions. Key decisions included:

- Expanding the AI Development Team and AI Research Team beyond previous informal size limitations in order to support more projects and increase member participation.
- Formalizing the Board Advisor role through defined advisory agreements covering governance, branding, technical infrastructure, and strategic development.
- Continuing the development of sister chapter relations and Memorandums of Understanding (MoUs) with other AI student organizations in Sweden.
- Initiating work related to formal brand protection and strengthening enforcement of the society's visual identity and communication guidelines.
- Transitioning event management and sign-up processes from Google Forms to LUMA integrated with the society website.
- Prioritizing long-term organizational scalability through clearer governance structures, improved documentation, and institutional continuity processes.
- Expanding external collaborations with organizations such as KTH Innovation and Founders House to strengthen entrepreneurial and industry connections for members.
- Allocating additional organizational resources toward project infrastructure, member events, and merchandise to support the society's continued growth and visibility.

Outlook for the future

Looking ahead, KTH AI Society aims to continue strengthening its position both within KTH and internationally. A key priority for the coming year is to deepen collaborations with external partners such as KTH Innovation and global organizations including the European Student Robotics Association, creating new opportunities for members through innovation, research, and interdisciplinary initiatives.

The society also looks forward to continuing its work in building an internationally recognized AI community by expanding its network, increasing its external presence, and showcasing the projects, events, and initiatives driven by its members. Through continued collaboration, ambitious projects, and strong community engagement, KTH AI Society aims to further establish itself as a leading student organization within AI, both in Sweden and globally.

Appreciation to past and active members

KTH AI Society would like to extend its sincere thanks to all members, active contributors, advisors, alumni, and external partners who supported the organization throughout 2025. The society's continued growth, projects, and achievements would not have been possible without the collective efforts, engagement, and dedication of its community.

Special recognition is given to Filip Dimitrijević for his continued contribution to the society's brand identity, visual direction, and long-term strategic positioning. Through his work as both Art Director and Brand Advisor, he played an important role in maintaining continuity and supporting the society's ongoing organizational development.

The society also wishes to recognize Villim Prpić, Bror Nordström, and Vilhelm Prytz for their advisory support during the year in areas including organizational continuity, technical infrastructure, and strategic development. Their experience and guidance contributed positively to the society's long-term growth and operational stability.

In addition, KTH AI Society would like to thank all members who participated in events, contributed to projects, supported teams, organized workshops, and represented the society externally. Your involvement continues to strengthen the organization's foundation and remains essential to the society's continued success and development.

We look forward to building further on this momentum in the coming year and continuing to foster an active, supportive, and inspiring AI community at KTH.

Financial Report

Fiscal Year 2 (FY2): January 1, 2025 - December 31, 2025

KTH AI Society, Organization Number: 802518-7249

1. Nature and Purpose of the Organization

KTH AI Society is a non-profit organization aiming to provide a platform for students and enthusiasts to deepen their knowledge in artificial intelligence (AI) and machine learning. The society promotes skill development, networking, and collaboration between academia and industry through lectures, workshops, and projects.

2. Financial Overview

Year	Income	Expenses	Result	Equity
2025	194 462,50	-264 214,26	-69 751,76	106 523,58
2024	103 777,00	-156 481,63	-52 704,63	176 691,24

The financial result for the fiscal year shows a deficit of **-69 751,76 SEK**.

The equity at year-end is **106 523,58 SEK**.

The total balance sheet amounts to **106 523,58 SEK**.

Main sources of income include:

- Sponsorship corresponding to **194 462,50 SEK (87,54% YoY increase)**.

Major expenses include:

- Merchandise **-114 233 SEK**
- Teambuilding events for members (events and dinners etc.) **-103 453,99 SEK**
- Software **-6 873,94 SEK**
- IT-services **-10 827,42 SEK**
- Banking costs **-1 938,34 SEK**

- Financial support from academic and industry partners:

- ABC Labs
- Vectorview
- Vantir
- Antler
- Tavan
- Filed
- ModulAI
- Emfas
- Modal
- Peak Capital
- Fidelio Capital
- Blenda Labs
- Nordic Cooperation Technologies
- Isla AI
- Assor Ventures

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MAX DECMAN - max.decman@kthais.com

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JACKIE WU - 20040403 [REDACTED]

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