

Adam Maen

Full Stack AI Engineer

Email: adam.maen01@gmail.com

Phone #: +46 735 720 821

Website: <https://maen1.github.io>

LinkedIn: [linkedin.com/in/maen1](https://www.linkedin.com/in/maen1)

Github: github.com/Maen1

About me

Passionate Machine Learning and Software Engineer with 5+ years of experience delivering data-driven solutions. Skilled in end-to-end machine learning pipelines, from data preprocessing to model deployment and optimisation. Thrive in agile environments, collaborating with diverse teams to develop cutting-edge AI/ML models. Adept at translating complex technical concepts into actionable insights, driving impact across industries.

Work Experience

Research Engineer

Uppsala University | Uppsala, Sweden | Aug 2023 - Present

- Develop and implement state-of-the-art NLP and LLM models, enhancing research capabilities and securing funding for grant applications.
- Designed and optimised ML pipelines, reducing model training time by 30%.
- Built and deployed web-based AI tools for data modelling and real-time NLP processing, improving research efficiency.
- Collaborated with cross-functional teams to validate and benchmark AI/ML software.

Specialist in Machine Learning and Image Analysis

Antaros Medical AB | Uppsala, Sweden | Jan 2022 - Jan 2023

- Developed and fine-tuned deep learning models for medical imaging, improving segmentation accuracy and reducing segmentation time by 90%.
- Participated in patent-driven ML research, contributing to two pending AI patents.
- Implemented model validation frameworks, increasing AI software reliability and compliance.
- Provided technical mentorship, training junior engineers and non-technical stakeholders on ML concepts.

Data Scientist

TM R&D | Kuala Lumpur, Malaysia | Feb 2020 - Aug 2020

- Built a computer vision-based employee attendance system integrating thermal imaging, reducing manual check-ins by 80%.
- Developed an AI-powered heavy machinery detection model, deployed on UAVs (drones), automating site monitoring and improving efficiency.

Research Assistant

IIUM | Kuala Lumpur, Malaysia | Feb 2018 - Dec 2019

- Applied deep learning and computer vision to X-ray image analysis, improving cancer detection rates.

- Built a web-based AI platform for lung cancer segmentation in 2D medical images, increasing diagnosis efficiency.

Software Engineer (Freelance)

Online | Worldwide | Jun 2016 - Feb 2020

- Co-founded an AI-powered educational platform, connecting students with tutors.
- Developed web applications for NGOs, educational platforms, and small businesses, improving online engagement.
- Worked in multiple startup environments, contributing to robotics and SaaS product development.

Skills

Data Science

Python (PyTorch, TensorFlow, Keras, Scikit-Learn), C++, NLP, Computer Vision, Image Processing, Data Preprocessing, Model Optimization, Deep Learning, Reinforcement Learning.

Web Development

Python (FastAPI), PHP (Laravel), JavaScript (Vue.js), HTML, CSS (Tailwind, Bootstrap), MySQL, MongoDB, Redis.

DevOps, Tools and Patterns

Docker, Jenkins, GitHub Actions, AWS, GCP, CI/CD, UNIX Shell, Git, Kubernetes.

Education

Master in Machine Learning and Image Analysis

Uppsala University | Uppsala, Sweden

[Program website](#)

Bachelor of Computer Science

IIUM | Kuala Lumpur, Malaysia

[Program website](#)

Online Courses

Specialisations on Coursera

- Generative Adversarial Networks (GANs) | (3 courses)
- IBM Data Science Professional Certificate (10 courses)
- Deep Learning | (5 Courses)

30+ other courses in machine learning and software engineering are listed in my LinkedIn profile.

Languages

English (Fluent) | Swedish (Intermediate) | Arabic (Fluent)