Máté Cserháti

Software Engineer · AI / Machine Learning Student

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SUMMARY

Computer Science BSc student at Óbuda University specializing in Artificial Intelligence, with hands-on experience in Python, deep learning and computer vision through a thesis on skin lesion image segmentation. Software engineering intern at Oracle working with Java, Docker, Git and CI/CD in an agile team. Interested in perception and safety-critical AI systems. Available 24 hours/week alongside full-time studies continuing until 2028.

EDUCATION

Óbuda University – John von Neumann Faculty of Informatics | Sep 2024 – Feb 2028
BSc in Computer Science, specialization in Artificial Intelligence | Budapest
- Coursework and project work in machine learning, deep learning and computer vision
- BSc thesis: deep learning–based segmentation of skin lesions in dermoscopic images

Szent-Györgyi Albert Technical School | Sep 2018 – May 2024
Software Engineer and Tester technical certificate | Balassagyarmat

SKILLS

AI / ML: Machine Learning, Deep Learning, Computer Vision, Image Segmentation
Languages: Python, Java, C#, TypeScript
Frameworks & Web: Spring Boot, Next.js, Full-stack Web Development
Databases: PostgreSQL, MongoDB
DevOps & Tools: Git, Docker, Kubernetes, Linux, CI/CD

EXPERIENCE

Oracle – Software Engineering Intern | Dec 2025 – Present
- Developed and tested backend services in Java, contributing to production-grade application features
- Wrote and maintained unit and integration tests in Java to ensure code reliability and quality
- Built and managed Docker images for containerized deployment workflows
- Deployed services across environments, gaining hands-on experience with CI/CD pipelines and canary releases
- Wrote canary end-to-end and API integration tests in TypeScript to validate service behavior across deployment stages

Prysmian – Intern | May 2025 – Nov 2025
- Built Python analytics on Excel data sources, helping Customer Service optimize transport distribution among partners
- Generated reports from SAP data using Python, giving the team a clear overview of transportation performance
- Maintained and updated SAP data to ensure accuracy and reliability for transportation operations

PROJECTS

Skin Lesion Segmentation (BSc Thesis) | Python · Deep Learning
- Developing deep learning models in Python to segment skin lesions in dermoscopic images, supporting early detection of skin cancer
- Working on data preprocessing, model training and evaluation with segmentation metrics; versioned with Git

AssetPay | Next.js · TailwindCSS · Git
- Built and delivered a Counter-Strike trading platform in a 2-person team, owning frontend and API integration end-to-end based on client requirements; managed tasks in Trello following Agile

Lost Animal Finder Website | Laravel · MySQL · WebSockets
- Full-stack platform for reporting and finding lost pets, with real-time chat and an admin dashboard for managing users and posts

URL Shortener | Next.js · Express · MongoDB
- TinyURL-like app with separate frontend and backend repositories and efficient link storage and retrieval

EXTRACURRICULAR

- 7th place in a Unity game development competition (team)