

# Ahmet Yasin Erten

Master's Student at TUM, Artificial Intelligence in Society

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## EDUCATION

### **M.Sc. Ai in Society, Technical University of Munich**

01.10.2025 – 01.09.2027 (expected)

Currently pursuing a master's degree that connects computer science and social sciences. The curriculum covers AI regulations, the sociological impacts of AI, advanced deep learning and natural language processing. I want to understand in what way AI can shape the future and actively contribute it with the academic researchs.

### **B.Sc. Industrial Engineering, Istanbul Technical University**

01.09.2019 – 01.02.2025

GPA: 3.0/4.0, **Thesis details are below.** Built a strong technical foundation covering Statistics, Operation Research, Data Science, Machine Learning, and Deep Learning concepts. Applied these skills in my thesis. Gained a solid understanding of Engineering Management, learning how to analyze different technologies and select the correct tools for optimization tasks. Expanded this scope during my Erasmus exchange at Rhineland-Pfalz Technical University with specialized coursework in AI, Entrepreneurship, and Strategy. Fellow member of ITU Cyclist Society.

## EXPERIENCES

### **Cloud Engineer Full time, BTS Group**

01.10.2024 – 30.09.2025 | 12 months | Istanbul

Worked as a Cloud Engineer at an ITU R&D software company, developing "Olympos," a self-managed cloud and network automation platform. Collaborated with software developers and data scientists in an Agile environment, taking responsibility for the entire deployment lifecycle from code commit to customer delivery. Managed internal AWS cloud infrastructure for production and development, utilizing GitOps principles with Terraform for provisioning and the ELK stack for monitoring. Designed robust CI/CD pipelines using GitLab to manage hybrid environments across AWS, CloudStack, and on-premises systems (VMware, K3s). Automated deployment processes to meet specific customer needs, utilizing KVM/QEMU and Podman for virtualization. Configured Traefik open-source proxy for ingress management and load balancing. Voluntarily left the position to pursue a master's degree.

### **Software Engineer Internship, BTS Group**

01.03.2024 – 30.09.2024 | 6 months | Istanbul

Worked alongside senior engineers to master the full Software Development Life Cycle (SDLC) and clean coding practices. Focused on cloud services and creating proof of concepts for computer science topics. Built an extensive project using Golang as the main learning objective.

### **Linux System Engineer Working Student, Istanbul Technical University IT Department**

01.03.2024 – 30.09.2024 | 7 months | Istanbul

Responsible for Linux systems (Ubuntu/RHEL) and server infrastructure within the system administration team. Resolved complex user issues and developed DevOps solutions to enhance server stability through proactive troubleshooting. Designed a risk-mitigation strategy using Kubernetes for the ITU mail domain and created a machine learning project to filter spam emails.

### **Assistant Student, Istanbul Technical University**

01.11.2021 – 30.08.2022 | 10 months | Istanbul

Provided hands-on troubleshooting for Eduroam networks and improved the user experience for university members. Created technical documentation to facilitate knowledge transfer and standardize team operations. Completed Cisco CCNA networking training and ITU Linux Academy courses on system administration.

## PROJECTS

### **Bootcamp: DevOps AWS Cloud Specialization, EPAM, October 2025**

Completed a self-learning and mentorship-based training program at EPAM for 4 months. Actively participated, developing practical experience on following concepts: Amazon Web Services, Terraform, Kubernetes, CI/CD, SDLC, Agile and Generative AI.

### **Bachelor Thesis: Usage Prediction and System Design on Digital Twin with Metro Istanbul, May 2025**

Presented at the Coperman 2025 Conference (will be published by Springer in 2026) Deep learning project to optimize and forecast public transportation.  
<https://github.com/yasinnerten/graduation-thesis>

### **Live Tournament Game, SE Internship, September 2024**

Completed while in the internship in BTS Group, containerized the web application on Docker, using Redis and MongoDB for databases, and deployed the system to both AWS and Minikube. Integrated a data science dashboard to visualize real-time data connections.  
<https://github.com/yasinnerten/tournament>

### **Amplify GenAI - Internal AI Agent Deployment to AWS, May 2024**

Freelance project to deploy an open-source enterprise generative AI platform to AWS using Terraform.  
<https://github.com/yasinnerten/aws-deploy-project-amplify>

## SKILLSET

Python, Golang, C#, SQL, Linux, Git, Computer Networks, Databases, Statistics,  
R, Kubernetes, Docker, IaC, AWS, Azure Cloud, CI&CD, Large Language Models,  
NLP, Numpy, Pandas, Scikit-learn, Machine Learning and Deep Learning

## LANGUAGES

Turkish: Native Language  
English: C1, IELTS Academic 7.0  
German: A2