Kutay Deniz Yazicioglu

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AI Engineer | Data & Cloud-Focused

Summary

Graduate student in Artificial Intelligence Engineering at Bay Atlantic University with a B.Sc. in Software Engineering from Bahcesehir University. Experience in AI, data science, and cloud computing through internships at Panasonic as a Business Analyst Intern and Huawei as a Cloud Engineer Intern. In addition, projects that span machine learning, LLM-powered applications, and scalable system design include designing a microservice-based architecture and containerized services for modular scalable development. In addition to technical expertise, demonstrated leadership and communication excellence through roles in student government and public-facing volunteerism in Washington, DC. Focused on building practical AI-driven solutions with measurable impact and real business value.

Professional Experience

Cloud Engineer Intern, Huawei **Jan 2024 – Feb 2024**
Istanbul, Turkey

- Optimized enterprise cloud infrastructure by leveraging Huawei Cloud services (ECS, EVS, VPC, IAM), enhancing system reliability and performance for high-scale clients.
- Reduced operational overhead by 15 percent for a high-traffic application by developing Python-based log analysis tools to identify and eliminate resource redundancies.
- Streamlined troubleshooting processes by diagnosing and resolving complex infrastructure bottlenecks, ensuring 99.9 percent uptime during the internship period.

Business Analyst Intern, Panasonic **May 2023 – Nov 2023**
Istanbul, Turkey

- Accelerated operational efficiency by automating ERP data validation with SQL and Python, saving 10+ manual labor hours per week and improving reporting precision by 30 percent.
- Created comprehensive system documentation and data flow diagrams that served as the primary blueprint for ERP system upgrades.
- Identified and modeled business process optimizations using data-driven insights to resolve cross-departmental workflow bottlenecks.

Education

Bay Atlantic University **Aug 2025 – May 2027**
M.S. in AI Engineering, Washington, DC *GPA: 3.95* | ***President's List Academic Honor***

Bahcesehir University **Aug 2020 – Jun 2025**
B.S. in Software Engineering, Istanbul, Turkey *GPA: 3.04*

Projects

Career GENAI - AI-Powered Career Development Platform

• Developed an LLM-powered career assistant that analyzes resumes, identifies skill gaps and generates personalized learning roadmaps for targeted roles.

• Designed a microservice-based architecture using Python, FastAPI, Docker and LLM APIs to support modular and scalable AI application development.

BECAYIS - Biomimetic AI Supported Permutation Application

• Built an AI-supported relocation matching platform concept for civil servants, focusing on intelligent matching, backend logic and system usability.

• Integrated nature-inspired AI concepts (Biomimetic) with database planning and API-based system design to improve matching accuracy and platform scalability.

Technical Skills: Python, Data Science, AI, Machine Learning, SQL, LLM, Cloud Computing, AWS, Docker, CI/CD, Prompt Engineering, Tableau, Business Intelligence
Core Competencies: Public Speaking, Problem Solving, Communication, Leadership, Time Management, Teamwork

Certifications

- AWS Cloud Practitioner Essentials – (Oct 2025)
- Neural Networks and Deep Learning – (Aug 2024)
- Oracle Cloud Infrastructure Generative AI Certified Professional – (Jul 2024)
- Huawei Cloud Tech Essentials – (Apr 2024)
- IBM Generative AI Introduction and Applications – (Mar 2024)
- UX Design and Principles – (Mar 2024)
- Google Foundations of Project Management – (Oct 2023)

Volunteering

- Vice President, **Student Government Association** – (Jan 2026 – Present)
- Guest Experience Volunteer, **International Spy Museum** – (Feb 2026 – Present)
- Member, **Zekeriyakoy Rotaract Club** – (Jan 2024 – Present)
- Coordination Member, **IEEE Turkey Student Branches Computer Society** – (Oct 2021 – Sep 2022)
- Vice President, **IEEE Bahcesehir University** – (Dec 2020 – Aug 2023)

Languages

English, Turkish, Spanish (Beginner)