

Ismail Ozer

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About Me

Data & AI Engineer with hands-on experience in building end-to-end machine learning pipelines, NLP systems, and robust RESTful APIs. Adept at leveraging Cloud Technologies (Microsoft Azure) and containerization (Docker) to deploy scalable solutions. Passionate about bridging the gap between data models and production-grade enterprise software, seeking a full-time role to drive AI innovation.

Education

Kocaeli University, BS in Computer Engineering Sep 2022 – Jun 2026
• GPA: 3.02/4.00

Skills

- **Data Engineering:** Apache Kafka, PySpark, Delta Lake, Pandas, Selenium, Data Scraping.
- **Cloud & MLOps:** Microsoft Azure (Azure ML Studio), Docker, MLflow, CI/CD Pipelines, MinIO.
- **Artificial Intelligence & Machine Learning:** Deep Learning, Natural Language Processing (NLP), Large Language Models (LLMs), PyTorch, BERT, SpaCy, ML Lifecycle, Scikit-learn, XGBoost, LightGBM.
- **Backend & Databases:** RESTful API Development, MS SQL Server, Relational Data Models, Swagger.
- **Tools & Version Control:** Git, GitHub.

Experience

Software Engineer Intern, Antalya Metropolitan Municipality – Antalya, Turkey Jul 2025 – Sep 2025
• Developed RESTful APIs and relational data models using C# (.NET Core) and MS SQL Server, ensuring data integrity.

Undergraduate Researcher, Kocaeli University Jun 2026 – Jul 2026
• Developed and deployed a comprehensive data analysis system for the university laboratory, automating data processing workflows to support academic research initiatives.

Backend AI Engineering Intern, FlyRank AI Jul 2026 – Present
• Architected real backend software with an AI core, building API contracts, data models, and RAG/agent loops to ship core backend features within a real codebase.

Certificates & Training

Akbank & Microsoft AI Academy, Data Analyst Training Program Nov 2025 – Mar 2026
Mudanya University, Advanced AI Specialization Training with Python Aug 2025 – Dec 2025

Projects

NLP-Based Second-Hand Vehicle Valuation Jan 2026
• Developed a hybrid ML system predicting car prices by combining structured features with NLP-based text analysis.

• Technologies: Python, Docker, MinIO, MLflow, BERT, SpaCy, Selenium, BeautifulSoup, Scikit-learn, Pandas, Git

End-to-End Big Data & ML Pipeline May 2026
• Architected an end-to-end, containerized streaming and ML pipeline processing 38M records/year via Kafka, PySpark, and Delta Lake, seamlessly integrating model training, MLflow tracking, and Databricks visualization using Spark MLlib.

• Technologies: Microsoft Azure, Kafka, PySpark, Delta Lake, Python, XGBoost, LightGBM, SMOTE, CI/CD