



BUĞRA GÖRMÜŞ

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WORK EXPERIENCE

Data Scientist & Software Developer at Kale Group

Feb 2025 – Sep 2025

- Designed and deployed an AI-powered production tracking and reporting system on the local factory network, enabling real-time monitoring across the entire value chain (manufacturing → sales).
- Developed and optimized machine learning models for time series forecasting, anomaly detection, and predictive analytics using Python, scikit-learn, and SQL, improving forecast accuracy and reducing production risks.
- Processed and structured large-scale datasets from ERP systems, relational databases, and IoT sensors, building automated ETL pipelines for reliable data flows.
- Built a SQL-based financial analysis and scenario simulation platform, accelerating monthly reporting by 70% and supporting strategic decision-making in finance.
- Designed interactive dashboards and visualization interfaces to provide managers with actionable insights, reducing manual reporting effort.
- Collaborated with finance, operations, and R&D teams to integrate AI-driven insights into workflows, enhancing efficiency, cost control, and sales planning.
- Led digital transformation initiatives by advising departments on automation, advanced analytics, and AI adoption, contributing to company-wide data-driven culture.

Software Developer Intern at Türkiye Vakıflar Bankası T.A.O.

July 2023 – Sep 2023

- Collaborated with the software development team to design and develop banking applications.
- Built "FabrieBank," a banking system developed with C# (.NET) and PostgreSQL, following layered architecture design principles.
- Applied banking business logic and transaction workflows in application development.
- Wrote clean, efficient, and maintainable code for various banking software modules.
- Developed and optimized SQL queries for PostgreSQL databases, enhancing application performance and data integrity.

EDUCATION

MSc in Artificial Intelligence

Sep 2025 – June 2027

USI (Università della Svizzera italiana)

YLSY Scholarship Recipient

Sponsored by the Republic of Turkey as the sole selected candidate for graduate studies abroad.

Bachelor of Science: Software Engineering

Sep 2020 – July 2024

Kirklareli University – CGPA: 3.34/4

- Bachelor Thesis (Deep Retina):** Developed machine learning models for eye disease detection from medical images.
- Preprocessed retinal images and trained classification models.
- Evaluated model performance and optimized for higher accuracy.

Science High School Diploma

Sep 2014 – June 2018

Çan Science High School – Diploma Grade: 86.10/100

ADDITIONAL INFORMATION

Technical Skills: Python (*Data Science, Deep Learning, Machine Learning*), C# (*.NET Core*), Next.js Web Development, SQL (*PostgreSQL, Supabase*), Git Version Control, PHP (*Laravel*).

Certifications: Google Project Management Professional Certificate (*Coursera, 2023*), Flutter Mobile Development Bootcamp (*2023*), AI Agents Fundamentals (*Hugging Face*), HarvardX Data Science Course.

Languages: Turkish (Native), English (IELTS Academic 6.5)