BUĞRA GÖRMÜŞ

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PROFILE

Data Scientist & Machine Learning Engineer specializing in time-series forecasting, anomaly detection, and automated data pipelines. Experienced in structuring complex industrial datasets (ERP, IoT sensors, relational databases) and delivering high-impact business intelligence platforms. Combines strong software engineering fundamentals with mathematical modeling to build reliable, explainable, and scalable end-to-end analytical solutions.

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

USI (Università della Svizzera italiana) — MSc in Artificial Intelligence

Sep 2025 - Dec 2026

YLSY Scholarship Recipient

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

Kirklareli University — Bachelor of Science: Software Engineering

Sep 2020 - July 2024 – 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.

ADDITIONAL INFORMATION

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)