Egemen DURĞUN
Data Analyst & Scientist

05399352090
Izmir, Turkey
egemendurgun01@gmail.com

linkedin.com/in/egemendurgun
github.com/seawolf1971
youtube.com/@egemendurgun

OBJECTIVE

Recent graduate Computer Engineer with a passion for turning complex data into actionable insights. Interested in entry-level roles to apply my technical and analytical skills in real-world environments.

SKILLS

Tools and Languages	**Experienced:** Python, SQL, Power BI, Git, pandas, seaborn, matplotlib
	Familiar with: Excel, Tableau, React, Docker, Cloud Computing, ROS2
Communication	Turkish (native), English (upper-intermediate)

EDUCATION

BSc in Computer Engineering, *Eskisehir Technical University*   2025

EXPERIENCE

Military Projects Software Developer Intern   **Aug 2024 — Sep 2024**
Sefine Shipyard   *Istanbul, Turkey*

- Developed a planning application running in the Gazebo simulation environment using NAV2 and ROS2 technologies, based on military data.
- Gained strong hands-on experience in unmanned sea vehicle systems using ROS2 and Python.

Software Developer Intern   **Aug 2023 — Sep 2023**
ATEZ Software Technologies   *Istanbul, Turkey*

- Gained practical experience in the software development lifecycle and version control with Git.
- Worked with PostgreSQL to perform database operations such as querying, schema design, and data manipulation.

PROJECTS

Deep Learning and Mobile Application Supported Security System for Detection of Dangerous Objects
Bachelor's Graduation Project   *GitHub Repository*

- Accomplished real-time detection of dangerous objects with over 80% accuracy, measured by performance metrics and test dataset results, by developing a deep learning-based object detection pipeline using YOLOv8 and OpenCV, capable of identifying threats.
- Designed and integrated a mobile application that receives instant alerts and media via backend API, enabling immediate user response to security threats.

Insurance Data Analysis
Interactive Data Visualization for Insurance KPIs   *GitHub Repository*

- Achieved actionable insights into customer demographics, policy distribution, claim status, and premium trends, as measured by interactive KPI tracking (Premium, Coverage, Claim Amount) in Power BI, by developing a dashboard using DAX, Power Query, and MS SQL Server with real-time filters and drill-through analysis.
- Optimized decision-making through greater visibility into policy activity status and claim outcomes, accomplished by creating dynamic charts, matrix tables, and implementing role-level security in Power BI Service.

Movie Recommender System
Content-Based Recommendation Engine   *GitHub | Live Demo*

- Built a movie recommendation pipeline using pandas for data wrangling and scikit-learn for TF-IDF vectorization and cosine similarity to measure semantic content relationships.
- Designed a deployable interactive web app with Streamlit to demonstrate machine learning inference in real time, including API-based image retrieval and user interaction.

ACTIVITIES

Computer Society Member, IEEE Eskişehir Technical University Student Branch   2022 – 2025
Participated in Computer Society workshops and events, supporting IEEE's mission while improving technical and teamwork skills.

Event Staff – **Havacılık Zirvesi**, IEEE Eskişehir Technical University Student Branch *View Certificate*   Dec 2024
Assisted in organizing the Aviation Summit by coordinating logistics and engaging with industry professionals to gain insights and networking experience.