Serhet Gökdemir

+90 531 013 93 99 | Istanbul, Turkey | serhetgokdemir@gmail.com | My Portfolio

SKILLS

Languages: Python, Java, PostgreSQL, C#, C++, C, MATLAB
Libraries, Frameworks, Tools: Spring Boot, .NET Core, GIT, Docker Basics, Scikit-Learn, Tensorflow, Pytorch, Pandas, NumPy, Microsoft Excel
Concepts: Data Analysis, Data Visualization, Machine Learning, Deep Learning, Object Oriented Programming, CI/CD, Clean Coding, Problem Solving, Leadership, Teamwork

EXPERIENCE

Software Development Intern | Turkcell

Aug. 2025 - Sep. 2025

- Joined Mediation and Revenue Assurance Solutions department.
- Currently working with **Java** and **Spring Boot** technologies.
- Developed a **Java Web API** for CDR sorting and searching by using **MVC Dessign Pattern**.
- Strengthen my **OOP** knowledge and **clean coding** skills.
- Created a detailed **documentation** and used **version control** effectively

Data Science Trainee | EPAM Systems

Nov. 2024 - Feb. 2025

3-month intensive training program covering:

- **Exploratory Data Analysis**, **Regression**, **Classification**, **Tree-Based Models** & **Ensembles**, **Clustering**, **Deep Learning Basics**, **Machine Learning Engineering** Basics, and **Natural Language Processing** Basics.
- Hands-on projects in **Python** (NumPy, Pandas, Scikit-Learn, TensorFlow, Keras) with focus on **clean coding**, **version control**, and **model evaluation**.

EDUCATION

Yildiz Technical University | Bachelor of Science, Mathematical Engineering 2021 - Present

Uniwersytet Lodzki | Faculty of Mathematics and Computer Science Feb. 2024 - Jul. 2024
Erasmus+ Study Exchange Experience

PROJECTS

CDR Log Viewer – Spring Boot Application

- A tool to browse CDR log files and display their content with **lazy loading**
- **RESTful API** + simple **Thymeleaf UI** for file listing and infinite scrolling
- Search CDR blocks by exact key or value, full record returned
- **Modular layered design** (**Controller / Service / Utility**), configurable file path via properties
- Implemented **pagination** and **parsing logic** for large text files without database
- **STACK:** Java, Spring Boot, REST, Thymeleaf

Sentiment Analysis on Movie Reviews with Machine Learning Pipeline

Link: github.com/serhetgokdemir/sentiment-analysis-ml-pipeline

- Developed a **binary sentiment classification model** for **movie reviews** using **NLP** and **Machine Learning**.
- Performed **EDA** and applied **text preprocessing** (tokenization, stop-word removal, lemmatization) with SpaCy.
- Compared **BoW** and **TF-IDF vectorization methods**; trained **Logistic Regression, Random Forest**, and **SVM** models, **achieving 89% accuracy with SVM**.
- Designed a **Dockerized ML workflow** for training and inference.
- Managed **version control** with **Git & GitHub** and documented the workflow for **reproducibility.**

LANGUAGES

Turkish – Native | English – C1 | German – A2