Barış Parlak

Computer Engineering student passionate about data science, with a focus on data analysis, visualization, and machine learning to extract meaningful insights and build intelligent solutions.

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Education

Inonu University   August 2024 - Present
B.Sc. in Computer Engineering (Transfer Student.)
Malatya Turgut Ozal University   September 2022 - August 2024
B.Sc. in Computer Engineering, Uncompleted.

Experience

Unidev Software Turkey   February 2025 - Present
Machine Learning Developer

• Analyzed and visualized large-scale geographical datasets using **Pandas** and **NumPy** for data manipulation, **Seaborn** for statistical visualization, and **Folium** for interactive geographic maps, providing actionable insights for business and research decisions.

• Designed and implemented a **MySQL** database for the MyUni platform using **Django**, managing user profiles and academic records. Utilized **Django ORM** for integration, optimized performance with indexing, and integrated **RESTful API**s for front-end and back-end communication.

• Developed a user progress tracking module for MyUni using **Supabase** and **PostgreSQL**.
Integrated machine learning algorithms like **collaborative filtering** and **K-means clustering** for content personalization, resulting in a **40%** increase in user engagement.

Volunteering

Inonu IEEE Student Branch: I oversaw and managed large-scale successful projects in our community, built teams, and organized regular algorithm trainings. **(Chairman of Computer Society, 2024-2025)**

Skills

Technical: Python(Advanced), R(Intermediate), PostgreSQL(Advanced), MySQL(Intermediate), C++(Advanced), Java(Intermediate), ML Algorithms, Neural Networks & Deep Learning, Data Analysis & Manipulation, Data Visualization
Languages: Turkish(Native), English(C1), German(A2), Italian(A1)