Berkay Buğra Gök

Beşiktaş/İstanbul

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My portfolio website: www.berkaybgk.site

This website, where I showcase my work, is entirely developed and managed by me using free services.

EDUCATION

Boğaziçi University — October, 2021 – June, 2026
BSc. in Computer Engineering, Current GPA: 3.40 — İstanbul

Akhisar Fen Lisesi — September, 2017 – June, 2021
Ranked 287th in the national university entrance exam — Manisa

EXPERIENCE

Udemy — June, 2025 – August, 2025
Software Engineering Intern — İstanbul

- Contributing to the Instructor Portfolio team by trying to enhance the instructor experience through AI-driven features and smart solutions.
- Improving and refactoring Udemy's Role Play feature (Real-time voice and text chatting to practice soft skills on courses) based on user feedback; monitoring performance and implementing optimizations.
- Developing full-stack applications in an agile environment, working with both microservices and monolithic architectures using Django, React and Kotlin.

Orphex — June, 2024 – November, 2024
Software Development Intern — AI Engineer — İstanbul

- Developed an AI assistant ChatBot using Retrieval Augmented Generation (RAG) with frameworks like LangChain and LangGraph, integrating Large Language Model agents and tools.
- Used vector databases (ChromaDB) and graph databases (Neo4j) for context awareness and similarity search, creating a custom graph database with Cypher.
- Applied machine learning techniques to analyze marketing data and designed a mechanism for personalized recommendations based on customer profiles and metrics like CTR and ROAS.
- Integrated the assistant into company software via Django REST Framework, creating an internal API, implemented and integrated Cron Jobs to automate routine tasks and make database transactions.

PROFILE AND PROJECTS

I'm a senior computer engineering student with a passion for learning and adaptability. My current interests lie in software engineering, data science and machine learning. I'm looking forward to applying my skills in different fields, have a role in which I can make a positive impact and gain hands-on experience.

Portfolio Website | *Python, Django, HTML, React, SQLite, AWS/EC2, Nginx*

- Developed a full-stack website to showcase my work.
- Bought a cheap domain and deployed the website on a free-tier EC2 instance.
- Added authorization and security protocols.
- Used workflows and cronjobs to automate things and achieved CI/CD.
- Created a dashboard to display metrics and show insights about the recent earthquakes around Turkey.

Data Related Projects | *Python, Pandas, Numpy, Sci-kit Learn, PyTorch*

- Developed an end-to-end price prediction project for luxury watch prices using Gradient Boosting Regressors by using the data I scraped from the internet.
- Made exploratory data analysis and visualizations in order to engineer features for various datasets.
- Applied different ML techniques to correctly identify the data, made predictions and categorizations.