

GÜRKAN BIYIK

+90 546 617 0319 | ✉ gurkan.biyik@outlook.com | 🔗 linkedin.com/in/grkanbyk | 🌐 github.com/grknbyk

EDUCATION

Dokuz Eylül University

Bachelor of Computer Engineering (English) - GPA 2.94

İzmir, Turkey

November 2020 – July 2025

EXPERIENCE

Hardware-Software Intern

June 2024 – July 2024

Dokuz Eylül University

İzmir, Turkey

- Developed an IoT-based plant monitoring and irrigation system using Arduino, integrating DHT11 and soil moisture sensors with a water pump for automated plant care, and implemented a Python script to transmit real-time sensor data to the Ubidots cloud for remote monitoring and visualization.

Software Developer

March 2025 – Present

Ceomed Yazılım Bilgi

İzmir, Turkey

- Developed and deployed a Progressive Web Application to digitize and streamline hospital technical service workflows, from medical device issue reporting to service completion, designed for ease of use on mobile and web.
- Currently contributing to the development of an ERP solution using Oracle APEX, with a strong focus on PL/SQL and SQL for backend logic, and JavaScript, jQuery, and HTML/CSS for front-end interfaces.

PROJECTS

Hospital Management System | Java, JDBC, SQLite, Design Patterns, OOP

March 2023 – June 2023

- Developed a desktop application with role-based access control, allowing tailored access and functionality for various roles including doctors, nurses, pharmacists, receptionists, and managers.
- Implemented comprehensive features for staff management, including adding, editing, and deleting personnel records, patient registration workflows, medication dispensing processes for pharmacists, and secure access to biomedical data for doctors, enhancing the overall efficiency and usability of the system.
- Utilized design patterns like Observer and Singleton to ensure robustness and scalability.

Full Stack E-Commerce Website | Django, SQLite3, Jinja2, HTML, CSS, JavaScript

Sep 2023 – Dec 2023

- Developed an online supermarket platform enabling user registration, product browsing, cart management, order placement, and order history tracking.
- Implemented a normalized SQLite3 database with tables for users, products, categories, orders, carts, and warehouses, supporting multi-user interactions.
- Integrated warehouse management features for handling out-of-stock products in user districts.

Araç Değerleme - Chrome Extension | JavaScript, Web Scraping, API Automation

Oct 2024 – Oct 2024

- Built a Chrome extension to scrape vehicle data from Sahibinden.com and automate sahibinden Oto-360 service.
- Automatically extracts vehicle attributes from the listing page, retrieves estimated market valuation data using Sahibinden's Oto-360 service, and seamlessly integrates this information into the page for easy user access.
- Published the extension on the Chrome Web Store, demonstrating expertise in browser extension development.

Flight Fare Prediction | FastAPI, React, Python, Machine Learning

Oct 2024 – Nov 2024

- Performed exploratory data analysis, preprocessing, and model comparison to create an accurate flight fare prediction model.
- Developed a web application with a React-based frontend and a FastAPI backend, delivering a user-friendly interface to simplify model usage for end users.
- Showcased expertise in building full-stack applications integrating machine learning models.

TECHNICAL SKILLS

Languages: SQL (PL/SQL), Python, HTML/CSS, JavaScript, Java

Frameworks/Libraries: jQuery, Flask, FastAPI

Data Science: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn

Knowledge: OOP, RESTful APIs, Web Development, Web Scraping, Data Mining, Machine Learning, Database

Developer Tools: Git, VS Code, Oracle Apex, Claude Code

CERTIFICATES

Stanford ONLINE - SOHS-YSTATSLEARNINGP : Statistical Learning with Python