

Aqib Shah

Karachi, Pakistan

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Professional Summary

Web developer skilled in building full-stack applications. Experienced in Python and JavaScript frameworks (Django, FastAPI, Flask, Node.js), and responsive front-end using React.js. Familiar with data exploration, analysis, and visualization using Pandas, NumPy, Seaborn, and Matplotlib.

Skills

Languages: Python, C++, JavaScript, Assembly

Frameworks: React.js, Node.js, Django, FastAPI, Flask

Concepts: OOP, Data Structures, Algorithms, OS, DBMS

Databases: MySQL, MongoDB

Automation: Selenium, BeautifulSoup, Requests

Libraries: Pandas, NumPy, Matplotlib, Seaborn

Tools: Git, Docker (basic)

Cloud: AWS (basic)

Experience

Junior Frontend Developer

Freelancing Team

June 2022 – August 2022

- Developed UI components and styled layouts using HTML/CSS and JS frameworks like React.js.

Education

FAST - National University of Computer and Emerging Sciences

Batch 2021 - Present

Bachelor of Science in Computer Science

DJ Sindh Government Science College

Batch 2019

Intermediate in Engineering

Certifications

DataCamp: Intermediate Python

DataCamp: Data Manipulation Using Pandas

DataCamp: Data Visualization Using Seaborn and Matplotlib

DataCamp: Exploratory Data Analysis (EDA)

Projects

Surveil Smart (FYP)

July 2024 – Present

AI-powered surveillance system for real-time customer analytics in retail spaces.

- Built facial and attribute recognition models for age and gender classification using Python and OpenCV.
- Implemented person re-identification and blacklist detection with YOLOv11.
- Designed a heatmap-based crowd density monitor for spatial optimization.
- Developed back-end services with FastAPI and integrated Kafka for real-time streaming.

Data Science Projects

July 2024 – Present

Exploratory data analysis and visualization projects using Pandas, NumPy, and Matplotlib.

- Analyzed and visualized Netflix movie data to uncover viewing trends and genre distribution.
- Researched historical trends among Nobel Prize winners by country, category, and year.
- Investigated crime patterns in Los Angeles to identify high-risk zones and time trends.

Web Applications

Aug 2024 – Present

Web development projects demonstrating database, back-end, and front-end integration.

- built a Grocery Store app using Flask and MySQL with dynamic cart and billing features.
- Designed a Shoe Store e-Commerce system using React.js, Node.js, Express, and MySQL.
- Cloned the "Coding The Brains" website using React.js with component-based design.

C/C++ Projects

Dec 2021 – Present

Academic projects focused on system programming and algorithmic implementation.

- Designed a Bank Management System in C++ with basic authentication and transactions.
- Built a Console-based OS demonstrating windows-like console interface
- Developed an image processing pipeline using C++ for basic filters and enhancements.