

Ali Jafri

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Education

New York University Abu Dhabi

Expected May 2025

Bachelors of Science, Computer Science

GPA: 3.93

Relevant Coursework: Data Structures, Algorithms, Computer Systems Organization, Software Engineering, Applied Internet Technology, Computer Networks, and Operating Systems.

Experience

Intern, General Motors

July 2024 – Sep 2024

- Conducted comprehensive market research and analyzed sales data for 20 car brands, identifying key market trends and implemented web-scraping techniques reducing manual competitor research time by 90%.
- Developed a neural network-based machine learning model to predict sales volumes with 80% variance explanation, and created sales forecasts for 511 car models across 72 brands.
- Designed an interactive PowerBI dashboard showcasing market share, YoY growth, and competitive analysis, enhancing data-driven decision-making.

Software Intern, Bank AL Habib Ltd.

July 2023 – August 2023

- Collaborated with a team of 4 peers to develop a robust task management system, actively participating in all phases including requirements gathering, design, implementation, and testing.
- Gained hands-on experience with Service-Oriented Architecture (SOA) in a financial institution's dynamic environment.
- Successfully delivered a task management system that improved operational efficiency within the organization.

Projects

Constructify (In Progress)

- Designed an A-Z home-building platform with transparent project tracking and a service provider marketplace, targeting aspiring homeowners and construction firms.
- Developed a responsive frontend using Vue.js and Vite, optimizing load times and performance.
- Plans to use Django for the backend for rapid iterative development and for scalability.

F1 Fantasy League

- Developed a Formula 1 fantasy league web application using Express.js and Node.js for the backend with a Vue.js frontend.
- Designed RESTful API endpoints and integrated external F1 data API for real-time standings of 20 drivers and 10 teams.
- Built a responsive frontend with team management, leaderboards, and live standings features, utilizing MongoDB for data persistence

Qalb+

- Engaged in collaborative agile development with a group of 4 students to design a system that helps patients locate nearby treatment providers based on insurance eligibility and distance.
- Utilized Google Maps API for distance calculation. Django used for backend and SQLite for the database.
- Showcased the system to experts in Software Engineering and Startups, specifically focusing on finding software solutions within the medical sector.

Task Management System

- Developed a task management system using a 3 layered architecture. Using Vue.js and tailwind CSS on the frontend, Quarkus (Java framework) on the backend, and Flask (Python framework) to communicate with a MySQL database.
- The system was deployed within Bank al Habib's head office, revolutionizing inter-team communication and management.
- Facilitated seamless coordination across 10 teams by eliminating manual tracking methods and enhancing team productivity by 30% through improved task visibility and streamlined workflows.

Skills

Programming Languages: Python, Javascript, HTML/CSS, SQL, Java, C/C++, Assembly (x86),

Tools/ Frameworks: Django, Flask, Quarkus, Node.js, Vue.js, React, Tailwind CSS, MySQL, MongoDB, Git, Firebase, JavaFX, Pandas, NumPy, PyTorch, Jupyter