

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 on GM vehicles and competitors, including field visits to 15 showrooms, providing valuable insights for product positioning.
- 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.
- Enhanced proficiency in modern tech stacks through practical application in a real-world project.
- Successfully delivered a task management system that improved operational efficiency within the organization.

Intern, Ivanti

June 2022 – July 2022

- Gained comprehensive knowledge of Asset and Endpoint Management systems and software through mentorship, enhancing IT infrastructure management skills.
- Developed and deployed an online game with real-time leaderboard functionality, utilizing Firebase for database management and showcasing web development expertise.

Projects

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 precise distance calculation. Django (Python framework) used for system setup. Database was implemented using SQLite.
- 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 and integrated within Bank al Habib's head office, revolutionizing inter-team communication and task 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: Java, Python, C/C++, Assembly (x86), Javascript, HTML/CSS, SQL

Tools/ Frameworks: Git, Firebase, Quarkus, Django, Flask, Node.js, Vue.js, React, Tailwind CSS, JavaFX, MySQL, MongoDB, CAD Design