# Ali Jafri

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## EDUCATION

**New York University Abu Dhabi** — Abu Dhabi, UAE
*Bachelor of Science in Computer Science, GPA: 3.93* — *Expected May 2025*
- Relevant coursework: Data Structures, Algorithms, Computer Systems Organization, Software Engineering, Applied Internet Technology, Computer Networks, Operating Systems, Markets, Statistics, and Fintech Innovation.

## EXPERIENCE

**Analyst** — July 2024 – Sep 2024
*General Motors*
- Analyzed key market trends and implemented web-scraping techniques reducing manual competitor research time by 90%.
- Engaged with cross-functional teams and external stakeholders by visiting 15 showrooms and negotiating 7 deals, gaining insights into competitor strategies.
- Designed and implemented a neural network-based machine learning model to predict sales volumes, achieving 80% variance explanation and providing actionable insights for business planning.
- Created sales forecasts for 511 car models across 72 brands and developed interactive PowerBI dashboards showcasing market share, YoY growth, and regional performance to support executive decision-making.

**Software Engineer** — July 2023 – August 2023
*Bank AL Habib Ltd.*
- Conducted interviews with 20+ stakeholders across 5 departments to identify organizational inefficiencies and define project requirements for a task management system.
- Collaborated with a team of 4 peers to develop a robust task management system using a multi-layered architecture, improving operational efficiency by 30%.
- Gained hands-on experience with SOA principles, ensuring scalability and seamless integration within the bank's existing infrastructure.

## PROJECTS

**Formula 1 Race Outcome Predictor**
- Led end-to-end development of a predictive analytics solution for Formula 1 racing, analyzing project requirements and technical constraints to define a strategic approach for addressing the complex challenge of race outcome prediction.
- Conducted comprehensive data analysis on 203 races and 214,000+ individual lap records, identifying key performance indicators and developing a structured feature engineering framework that captured driver, team, and track dynamics.
- Developed a strategic evaluation framework with relevant metrics, demonstrating exceptional performance with 100% accuracy in podium predictions for the 2024 Bahrain Grand Prix.

**Qalb+**
- Led comprehensive user research with 34+ patients and healthcare providers, employing data-driven frameworks to identify critical pain points and prioritize core MVP requirements: authentication, insurance verification, and proximity search.
- Spearheaded technical architecture planning and implementation, strategically selecting Django and SQLite while integrating Google Maps API to enable rapid development of location-based services that improved healthcare accessibility.
- Collaborated with a cross-functional team (UX, backend, database) in an agile environment, creating a comprehensive solution that connected patients with healthcare providers based on insurance compatibility and geographic proximity.
- Presented the business model and technical solution to industry experts in Software Engineering and Healthcare, receiving positive validation for both technical implementation and market viability.

## ADDITIONAL INFORMATION

**Technical Skills:** Web Development, Data Analysis, and Machine Learning using Python; PowerBI; Microsoft Office.
**Languages:** English (fluent), Arabic (beginner), Spanish (beginner), and Urdu (native).
**Awards:** NYU Founders Day Award (awarded due to academic excellence) and NYUAD Fellowship (awarded a total of $40,000 in merit-based scholarships).
**Volunteering:** Community Service Volunteer, Rural Tanzania (Summer 2018) – Taught local students, engaged with orphaned children, distributed food aid, and participated in environmental conservation through tree planting initiatives.
**Interests:** Formula 1 (achieved podium position for the 2020 UAE F1inSchools challenge), automobiles, and reading.
**Other:** Valid driving license and have right to work via Golden Visa issued under the distinction student category by the Dubai Government.