

Maaz Khan

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PROFESSIONAL OVERVIEW

Detail-oriented Computer Science undergraduate with hands-on experience in **Data Science, Full-Stack Development, and QA**. Skilled in **Python (Pandas, NumPy, Scikit-learn), SQL, React, and ASP.NET MVC**. Experienced in building data-driven dashboards, scalable web apps, and applying testing practices to ensure software quality. Strong problem-solving skills with exposure to Agile workflows.

EDUCATION

Bachelor of Science in Computer Science | FAST-NUCES | **Expected Graduation:** June 2026 | **CGPA:** 3.25

A-levels (2020 – 2022) | Credo College | **Grades:** A, A, B

O-levels (2019-2020) | Karachi Public High School | **Grades:** 5 A*, 2 A, 2 B

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, JavaScript
- **Data Science Tools:** Pandas, NumPy, scikit-learn, Power BI, QlikView
- **Databases:** SQL Server, MySQL
- **Frameworks & Web:** React.js, ASP.NET (MVC & Web Forms), Tailwind CSS
- **Testing & QA Tools:** Selenium, Manual Testing, Test Case Design
- **Version Control & Tools:** Git/GitHub, Linux, Visual Studio Code, MS Excel

PROJECTS

T20 Cricket Match Outcome Predictor | Machine Learning

- Built an end-to-end ML pipeline using **XGBoost** and **Scikit-learn** to predict T20 cricket match outcomes with 71.5% accuracy (AUC: 0.77) and MAE of 21.9 runs on 2016–2024 World Cup data.
- Performed feature optimization, reducing predictors from 15 to 10–11 key variables via importance analysis and **GroupShuffleSplit cross-validation** to prevent data leakage.
- Deployed an interactive **Streamlit dashboard** for real-time win probability and score predictions.

Portfolio Website (React, Tailwind CSS)

- Designed and developed a **personal portfolio** website with a modern, responsive UI to showcase projects and skills.
- Implemented **dynamic components** using React.
- Styled with **Tailwind CSS** for consistency, accessibility, and cross-device responsiveness.

Employee Management System (.NET WEBFORM)

- Built a **role-based management system** with secure login, session management, and **CRUD operations**.
- Designed dashboards for Admin, HR, and Employees using **ASP.NET Web Forms** with **SQL Server** backend.

Car Bazaar (PERN stack)

- Built a vehicle marketplace where users can **post ads for their cars**, **browse listings**, and **contact sellers** for purchases.
- Implemented **user authentication**, **ad creation/editing**, and a **dedicated admin panel** for managing users and listings.
- Designed a **fully responsive** UI with smooth navigation for browsing and posting vehicles.

EXPERIENCE

Data Science Intern

Sept 2025 – Nov 2025

10pearls – Karachi, Pakistan

- Built a multi-horizon AQI forecasting system using Random Forest and Ridge Regression and deploying through Hopsworks with automated retraining.
- Engineered 124 time-series features with EPA-compliant AQI calculations and safeguards against data leakage.
- Developed a Streamlit dashboard with real-time forecasts, automated alerts, SHAP explainability, and EDA snapshots for proactive air-quality monitoring.

Data & AI Intern

Bank Islami Pakistan Ltd. – Karachi, Pakistan

July 2025 – August 2025

- Designed interactive QlikView dashboards and performed data cleaning/transformations to improve internal reporting accuracy and efficiency.