Abdullah Farhat Khokhar

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EDUCATION

Forman Christian College University   **Pakistan**
Bachelor of Science in Computer Science   *2025*
- CGPA: 3.1
- Relevant Courses: (Data Structures and Algorithms, Database Systems, Artificial Intelligence, Machine Learning, Software Requirements Engineering, Software Quality Assurance, Web Application Development)

WORK EXPERIENCE

Forman Christian College University   *March 2025 - June 2025*
Teaching Assistant
- Orchestrated logistical and operational support for **two** core Computer Science courses, **Parallel and Distributed Computing** & **Computer Organization and Assembly Language**, which enhanced student learning outcomes and engagement in complex theoretical concepts.
- Evaluated **2,500**+ student submissions including quizzes, homework, and projects, ensuring consistent and timely grading while providing detailed feedback to support student learning.
- Delivered viva sessions for project evaluations of **30**+ students, improving assessment quality.
- Managed grade records for **100**+ students using Google Sheets, streamlining data entry, validation, and reporting processes.
- Collaborated with the course instructor to uphold academic integrity, standardize grading criteria, and coordinate evaluation processes for over **20**+ quizzes, **15**+ assignments, and **1** major project.

Systems Limited   *September 2023 - October 2023*
Digital Automation Intern
- Coordinated with Systems Limited's Digital Automation team, concentrating on **6** UiPath projects.
- Automated repetitive data processing workflows using modern development tools and technologies, cutting manual effort by **40%**.
- Devised and implemented automation solutions, cutting processing time by **50%** for routine departmental tasks, leading to streamlined operations and increased efficiency across the board.

CodSoft   *August 2023 - August 2023*
Data Science Intern
- Executed comprehensive data cleaning, preprocessing, and visualization tasks for diverse datasets with over **10,000** records, improving data quality and analysis outcomes.
- Engineered features and developed predictive models using Logistic Regression and Decision Tree Regressor, achieving a **20%** increase in accuracy rates over baseline models.
- United with a cross-functional team of **8** professionals to analyze and interpret data insights, supporting informed decision-making processes within the organization.

PROJECTS

CareTrax *(Automated Insulin Drip Monitoring System)*
- Built an IoT device to track insulin drip weight with **±2g** accuracy using ESP32, HX711 and Load Cell.
- Designed and deployed a custom Android app integrated with Firebase, enabling real-time monitoring and alert notifications with an average response time under **5** seconds.
- Reduced manual monitoring time by **80%**, improving hospital workflow efficiency.
- Achieved **95%**+ uptime and consistent performance through **3** prototype iterations.

SKILLS AND INTERESTS

- **Skills:** Python, C++, SQL, MariaDB, HTML, CSS, JavaScript, Bootstrap, WordPress, Data Analysis, Data Mining, Data Visualization, UiPath, MS Excel, Machine Learning, Statistical analysis (SPSS), Big Data.
- **Interests:** Artificial Intelligence, Web Automation, IoT Development, E-commerce, Cryptocurrency, Chess.