Muhammad Abdullah Iqbal

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Summary

Computer Science student (**5th semester**) at FAST-NU Lahore with strong skills in **Python, Data Science, Machine Learning, NLP, and C++**. Experienced as a **Teaching Assistant**, mentoring peers and simplifying complex CS concepts. Skilled in **full-stack development (React, Node.js, Express, MERN) and software design & analysis**. Actively seeking internships in **Data Science, NLP, or Software Engineering** to apply analytical thinking, problem-solving, and technical expertise in real-world projects.

Experience

FAST National University

Teaching Assistant (TA), Lahore, Punjab

08/2025 - Present

- Assist in coursework management for **50+ students** for the course, *Computer Organization & Assembly Language (COAL)*.
- Grade assignments/quizzes with timely feedback and maintain accurate marksheets.
- Conduct vivas and project evaluations, assessing conceptual and practical skills.
- Support the instructor by streamlining workflows and improving feedback delivery.

FAST National University

Front Desk Officer, Lahore, Punjab

07/2025 - 08/2025

- Delivered announcements to **6,000+ applicants** during exams and supported smooth operations.
- Conducted invigilation duties and ensured compliance with regulations.
- Managed admissions email and call centre, handling **100+ daily queries** and student record updates.
- Created and maintained **2,500+ student files**, including processing Change of Discipline requests with accuracy.
- Hosted the **Orientation Session (Batch of 2025)**, presenting to **1,200+ new students** and representing the university professionally.

CodeAlpha

C++ intern, Remote

02/2025 - 03/2025

- Built **three C++ projects** in a virtual internship—a **transcript calculator, a banking system, and a user/admin login**—using **dynamic memory allocation, object oriented programming** and efficient **data structures**.
- Implemented robust **file handling** for reliable data storage in the calculator and banking projects.
- **Coordinated with remote teams** on design reviews, feature planning, and debugging.
- **Improved code quality and security** via best practices in system design and secure programming.

Education

BSc (Computer Science)

National University of Computer and Emerging Sciences, Lahore, Pakistan

07/2027

- *Current CGPA: 3.60/4.00*
- Currently in my 5th semester
- Enlisted in the Dean's List of Honours x3 (Spring 2024, Fall 2024,Spring 2025)

Cambridge GCE A'Levels

LACAS School Network, Lahore, Pakistan
07/2023

- *Result: 3A* & 2As*
- Received 100% merit scholarship for my A'level tenure
- Received a medal on academic excellence

Projects

- **CineMAK(MERN):** Built a full-stack movie reservation app (Node.js/Express, SQL Server) featuring an admin portal for showtime management and a consumer interface with real-time seat selection and secure checkout.
- **Solitaire (x8088 Assembly):** Engineered Klondike Solitaire in 8088 Assembly, handling video-memory rendering, BIOS interrupt input, move validation, and an interrupt-driven timer—all within a minimal memory footprint.
- **FastBook(C++):** Developed a Facebook-like C++ system with user/admin authentication, friend requests, news feed, and file-based persistence, leveraging OOP, dynamic memory, and balanced-tree lookups.

Skills

- **Programming & Development:** C++, Python, JavaScript, SQL, React.js, Node.js, Object-Oriented Programming (OOP), Data Structures & Algorithms
- **Data Science & Analysis:** Data Cleaning & Preprocessing, Exploratory Data Analysis (EDA), Data Visualization (Matplotlib, Pandas), Statistical Analysis & Hypothesis Testing
- **Databases & Backend:** SQL Server (T-SQL, Stored Procedures), Database Schema Design, RESTful API Development, Data Modeling & Optimization
- **System & OS Concepts:** Operating System Fundamentals (Processes, Threads, Synchronization), Assembly Language (x8088) & Computer Organization, Linux Command Line
- **Soft Skills:** Strong Analytical & Observational Skills, Problem Solving & Logical Thinking, Team Collaboration & Communication, Teaching & Mentorship Experience

Profiles

- **Portfolio:** https://abdullahiqbal2610.github.io/
- **LinkedIn**: https://www.linkedin.com/in/muhammad-abdullah-iqbal-a42b5b301/
- **Github:** https://github.com/abdullahiqbal2610

Certifications & Professional Development

- **Data Fundamentals** and **Cybersecurity Fundamentals** issued via **IBM SkillsBuild**
- **Microsoft Certified: Azure AI Fundamentals** issued via **Microsoft Learn**
- **Social Psychology by Wesleyan University**(via **Coursera)**
- **Cybersecurity for Everyone by University of Maryland**(via **Coursera)**
- **The Arts and Science of Relationships: Understanding Human Needs by University of Toronto**(via **Coursera**)