

# 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.

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## Experience

### FAST National University

Teaching Assistant (TA), Lahore, Punjab

08/2025 - Present

- Assist in managing coursework for **50+ students** enrolled in *Computer Organization & Assembly Language (COAL)*, ensuring fair and consistent evaluation across assignments, quizzes, and projects.
- Grade weekly assignments and quizzes for **50+ students**, delivering feedback within **3–5 days**.
- Conduct **oral vivas and semester project evaluations**, assessing students' conceptual understanding and practical implementation skills.
- Maintain and update **student marksheets throughout the semester**, ensuring precise record-keeping and error-free reporting.
- Support the course instructor by streamlining evaluation workflows, improving grading efficiency and feedback delivery.

### FAST National University

Front Desk Officer, Lahore, Punjab

07/2025 - 08/2025

- Delivered official announcements to **6,000+ applicants** during examination sessions, ensuring clear communication and smooth exam operations.
- Conducted **invigilation duties** across multiple exam halls, maintaining compliance with university regulations.
- Assisted in managing the official admissions email, **resolving 100–120+ queries daily** with timely and professional communication.
- Oversaw all incoming calls at the **Admissions Call Centre**, handling **hundreds of inquiries weekly** and providing accurate guidance.
- Created and maintained **2,500+ student records**, ensuring complete, accurate, and error-free documentation.
- Collaborated with the **Change of Discipline team**, processing requests with **100% accuracy and within deadlines**.
- Served as official **host for the Orientation Session (Batch of 2025)**, presenting to an audience of **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.
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## 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
- Expected graduation by 06/2027
- 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

### Cambridge GCE O'Levels

LACAS School Network, Lahore, Pakistan  
06/2021

- *Result: 7A\* & 2As*
- Awarded excellence in Chemistry
- Received medal for academic excellence

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## 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.

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## 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

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## Profiles

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

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## 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**)