

# Muhammad Abdullah Iqbal

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## About Myself

Computer Science student (4th semester) at FAST Lahore with hands-on experience in React, Node.js/Express and SQL. Skilled in data structures and system design. Strong logical reasoning, analytical thinking and planning abilities, with experience in team management and leadership. In my free time, I pursue interests in psychology, drama and literature. I translate requirements into reliable, secure web applications and collaborate effectively to meet deadlines.

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## Experience

### 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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## Skills

- **Programming Languages & Paradigm:** C/C++ Programming, Object-Oriented Programming
  - **Frameworks & Stacks:** MERN Stack, Full-Stack Development, Web Development
  - **Core CS Fundamentals:** Data Structures, Secure System Architecture, Logic Building
  - **Problem-Solving & Reasoning:** Critical & Analytical Reasoning, Creative Problem-Solving
  - **Communication & Leadership:** Public Speaking, Effective Communication, Interpersonal Skills
  - **Productivity & Collaboration:** Time Management, Collaborative Development
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## Education

### BSc (Computer Science)

National University of Computer and Emerging Sciences , Lahore, Pakistan

07/2027

- Current CGPA: 3.57
- Currently in my 4th semester
- Enlisted in the Dean's List of Honours x2 (Spring 2024, Fall 2024)

### 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
  - Recieved medal for academic excellence
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## Projects

- **CineMAK**: 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**: 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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## Credentials & Licenses

- Cybersecurity Fundamentals issued via IBM skillsbuild
  - Data Fundamentals issued via IBM skillsbuild
  - Microsoft Certified:Azure AI Fundamentals issued via Microsoft Learn
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## Extracurricular Courses

- 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)
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## LinkedIn

[www.linkedin.com/in/muhammad-abdullah-iqbal-a42b5b301](https://www.linkedin.com/in/muhammad-abdullah-iqbal-a42b5b301)