

Muhammad Abdullah Iqbal

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Summary

Computer Science student at FAST-NU Lahore with strong skills in Python, Machine Learning, NLP, AI, and Data Science. Experienced in software engineering, system design, databases, MERN-stack development, C/C++, and networking projects. Currently a Teaching Assistant and Campus Ambassador for Packages Group, combining technical expertise with mentoring, leadership, and analytical problem-solving. Passionate about leveraging AI/ML and behavioral psychology insights to create impactful solutions.

Skills

- **Programming:** Python, C++, JavaScript, SQL, OOP, Data Structures & Algorithms, SOLID Principles
 - **AI / ML / NLP:** DistilBERT, Text Classification, Sentiment Analysis, PyTorch, Hugging Face, Scikit-learn, Model Optimization
 - **Web & Backend:** React.js, Node.js, Express, MERN, REST APIs, Chrome Extensions, UI/UX Basics
 - **Databases:** SQL Server (T-SQL, Stored Procedures), Database Design, Query Optimization, MongoDB
 - **Systems & Networking:** OS Fundamentals, x8088 Assembly, Computer Organization, Basic TCP Concepts, Linux CLI
 - **Tools:** Git, GitHub, Streamlit, VS Code, Postman, Visual Studio
 - **Soft Skills:** Analytical Thinking, Problem Solving, Communication, Mentorship, Observational Skills
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Experience

Packaged Group Ltd

Campus Ambassador, Lahore, Punjab

11/2025 - Present

- Representing Packages Group on campus, engaging 200+ students through events and outreach.
- Increased student participation by 20–30% via promotional campaigns.
- Assisted in planning and executing workshops, marketing initiatives, and feedback collection.
- Developed leadership, communication, and networking skills while managing campus responsibilities.

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.
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Projects

ABX Browser – Chrome Extension (In Development)

- Built a fully customizable Chrome extension with dark UI, glassmorphism, animations, and smooth transitions.
- Developed smart tabs for recent sites, bookmarks, Gmail, and personalized greetings.
- Integrated weather, sports, and finance widgets; upcoming AI-powered chat and search features.
- Focused on enhancing user experience with advanced front-end design and interactivity.
- Technologies used: HTML, CSS, JavaScript, REST APIs.
- Git repo: https://github.com/abdullahiqbal2610/abx_browser.git

Automated Likert Scoring System – NLP Project

- Developed an **NLP model** to automatically assign Likert-scale scores (1–5) for psychological survey responses, reducing subjectivity and manual effort.
- Built **DistilBERT-based transformer** with transfer learning and attention interpretability.
- Used **3,000-sample custom dataset**, applied data augmentation and hyperparameter tuning.
- Achieved **>80% accuracy** with weighted F1-score; deployed via **Streamlit** for demonstration.
- **Technologies:** Python, PyTorch, Hugging Face Transformers, Scikit-learn, Streamlit, Git.
- **Git repo:** https://github.com/abdullahiqbal2610/Likert_Scorer.git

CineMAK – Full-Stack Movie Reservation App (MERN + SQL Server)

- Developed a **full-stack movie reservation system** with admin portal and consumer interface.
- Implemented **real-time seat selection, secure checkout**, and showtime management.
- Built **RESTful APIs** with Node.js/Express and integrated **SQL Server** database.
- Focused on **user experience, responsive design, and system reliability**.
- **Technologies used:** Node.js, Express, React, MongoDB/SQL Server, JavaScript, REST APIs.
- **Git repo:** <https://github.com/abdullahiqbal2610/CineMAK.git>

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

Certifications & Professional Development

- **University of Michigan:** Intro to Data Science in Python, Applied Plotting, Charting & Data Representation in Python
- **Microsoft Learn:** Microsoft Azure AI Fundamentals
- **IBM SkillsBuild:** Data Fundamentals, Cybersecurity Fundamentals
- **University of Toronto:** The Arts and Science of Relationships
- **Wesleyan University:** Social Psychology
- **Fractal Analytics:** Behavior Architecture – Understanding Human Behavior
- **American Psychological Association (APA):** Social Psychology of Attraction and Relationship

Profiles

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