

Miraal Fatima

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EDUCATION

FAST - National University of Computer & Emerging Sciences, Lahore

Aug. 2022– May 2026

Bachelor of Software Engineering — Expected Graduation: May 2026

Position Holder – FSc. Pre-Engineering, BISE Multan 2021

Relevant Courses: Applied Artificial Intelligence, Web Engineering, Software Construction and Development, Design

Analysis and Algorithms, Software Quality Engineering, Software Design and Analysis, DSA , OOP

PROJECTS

- **SkillSwap – Peer-to-Peer Skill Exchange Platform** April 2025 - Present
MERN Stack
Spearheaded a collaborative skill-exchange platform with real-time matching, user profiles, and a modular React front-end.
- **E-Voting System** March 2024 - May 2024
Java Servlets , Java, MySQL
Developed robust authentication to ensure voter anonymity and rigging prevention using *Java Servlets* and integrated dynamic UI using *HTML, CSS, and JS*.
- **POS System for Cosmetic Store (Real-Time Client)** December 2023
C#, MySQL
Delivered a full-stack POS solution with real-time inventory, billing, and receipt generation using MySQL and DSA concepts.
- **Female Fitness App** November 2023 - December 2023
Figma, HTML/CSS/JS
Designed a wellness app UI with features like BMI calculator, cycle logging, integrating personalized health recommendations.
- **Turkish Draught Game** December 2022
C#, SFML
Developed a GUI-based board game using OOP and advanced enumeration to simulate traditional Turkish Draught gameplay.
- **Insect Classification Model | Collaboration with CUVAS** April 2025 - May 2025
CNN, Deep Learning
Co-developed a CNN-based model for automated insect classification to improve agricultural species identification accuracy.
- **Blog Summarizer, Quote Generator**
Next.js, Tailwind Css, MongoDB, Shad CN
Developed and deployed full-stack web apps—a Blog Summarizer and a Quote Generator, deployed on vercel
- **UMLLetino Clone** November 2024 - December 2024
JavaSwing, JavaFx
Rebuilt a desktop app replicating UMLLetino with drag-and-drop functionality for creating, saving, and editing UML diagrams.

TECHNICAL SKILLS

<u>Languages:</u>	Java, C++, C, C#, Python, SQL, HTML, CSS, JavaScript,Next.js
<u>Frameworks/Tools:</u>	Flutter, MERN Stack, Java Swing, Java Servlets, SFML, Figma,n8n,Vercel.
<u>Databases:</u>	MySQL, MongoDB, PostgreSQL
<u>Testing Tools:</u>	LoadRunner (Performance Testing), Camunda
<u>Others:</u>	GitHub, MS Office Suite, UMLLetino, REST APIs, StarUML, VS Code, Microsoft Visual Studio, Kaggle

CERTIFICATION

- Career Essentials in Software Development | *Microsoft & LinkedIn*
- Introduction to Prompt Engineering for Generative AI | *LinkedIn*
- AWS Essentials | *Udemy*
- Business Intelligence and Analytics 101 | *Udemy*

INTERNSHIP EXPERIENCES

IT Intern | Hyundai Nishat Motors Pvt Ltd, Lahore (Onsite)

June 2025 - July 2025

- Collaborated with IT and business units to align AI solutions with Hyundai's digital transformation goals.

AI First Web Development Intern | Nexium (Remote)

July 2025 - August 2025

- Built and deployed AI-powered web apps(Quote Generator,blog summarizer)using Next.js, n8n,MongoDB, and Vercel.

Elevo Pathways , Cairo Egypt | NLP Intern (Remote)

July 2025

- Built AI solutions with transformative goals using NLP.

AI Intern | Code Generation , Rawalpindi, Pakistan (Remote)

July 2025 - Present

- Focused on how python is used in Machine Learning , NLP and AI with best industrial practices.