

Sarmad Umer

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LinkedIn — GitHub

Objective

Enthusiastic Computer Science student with experience in MERN stack development, Generative AI, and data analysis. Seeking an internship/Job to apply technical knowledge in real-world projects and contribute to impactful solutions.

Education

B.S. Computer Science 2022 – 2026 (Expected)
National University of Computer and Emerging Sciences (NUCES FAST), Pakistan
Relevant Courses: Data Structures, Algorithms, Software Engineering, Databases, AI, Machine Learning, OOP

Experience

Intern, Security Experts Pvt Ltd Summer 2023

- Developed secure web applications using modern frameworks.

Intern, SDGs Academy Pakistan Summer 2024

- Supported digital initiatives promoting UN SDGs through tech solutions.
- Organized tech-based workshops and awareness events.

Projects

E-Comm Website (*React.js, Angular, Node.js, MongoDB, JWT*) – Developed complete e-commerce websites using MERN and MEAN stacks. Included user authentication, product listings, secure checkout, and token-based APIs.

YouTube Video Summarizer (Generative AI) (*YouTube API, Whisper, Hugging Face, Transformers, RAG*) – Built a tool to auto-summarize YouTube videos using speech-to-text, LLMs, prompt engineering, and RAG pipeline.

Health Prediction App (*React.js, Node.js, scikit-learn*) – Created a web app that predicts health conditions using machine learning and provides interactive frontend results.

University Admission Portal (*C++*) – Designed a terminal-based system to manage student applications, admission statuses, and record handling.

Hospital Management System (*MySQL, C++*) – Built a patient and doctor record management system with database integration and admin features.

Technical Skills

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| – Languages: C, C++, Python, JavaScript | – Tools: Git, GitHub, Power BI, VS Code, Postman |
| – Frontend: React.js, Angular | – Concepts: JWT Auth, REST APIs, Transformers, RAG, Prompt Engineering |
| – Backend: Node.js, Express.js | – Soft Skills: Communication, Teamwork, Problem-Solving |
| – Databases: MySQL, MongoDB | |
| – AI/ML: scikit-learn, Hugging Face, OpenAI, Whisper | |

Certifications

- **AI/ML Specialization (Andrew Ng)** – Coursera
- **Introduction to Generative AI – Coursera (In Progress)** – Covers LLMs, Transformers, Prompt Engineering, RAG, Pre-training/Fine-tuning
- **JavaScript Programming with React, Node and MongoDB Specialization** – IBM
- **Microservices with Docker** – Udemy
- **Cybersecurity for Businesses** – EC-Council