

MUSKAN JARWAR

Sukkur, Pakistan

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Professional Summary

Junior Computer Science graduate with hands-on experience in full-stack web development and strong foundations in software engineering and AI concepts. Built multiple MERN and Python-based applications and completed a networking internship. Actively seeking a remote junior developer role.

Education

Sukkur IBA University Sep. 2022 – May 2026
Bachelor of Science in Computer Science Sukkur, Sindh

Relevant Coursework

- Web Development
- Software Engineering
- Database Management
- Systems
- Artificial Intelligence
- Computer Networking
- Programming Fundamentals
- Deep Learning

Experience

Sukkur Electric Power Company Jun 2025 – Jul 2025
Networking Engineer Intern Sukkur, Sindh

- Worked with routers and switches to understand organizational network infrastructure and internal communication.
- Assisted in SAP system setup across development and production environments and understood inter-system network communication.
- Analyzed network traffic using Wireshark, VPNs, IPSec, and MD5 to study data flow, security, and basic troubleshooting.
- Monitored network traffic logs to identify normal and suspicious activities, improving protocol understanding.
- Completed over 90% of assigned tasks on time, demonstrating adaptability and strong learning ability.

Projects

PakXArena – Gaming Tournament Platform | MERN Stack Oct – Dec 2025
• Designed and developed a MERN-stack web platform enabling gamers to register for online tournaments such as PUBG, Free Fire, and Valorant.
• Implemented tournament management with live, upcoming, and completed events including rules, entry fees, and ratings.
• Built secure authentication and admin-controlled user management modules to track participation history.
• Integrated RESTful APIs and responsive UI to enhance user experience and platform scalability.

SmartLearn LMS – Role-Based Learning Management System | MERN Stack Feb – Apr 2025
• Developed a full-stack LMS with separate dashboards for students, teachers, and administrators.
• Implemented course material access and assignment submission features to streamline academic workflows.
• Built teacher modules for managing assignments and learning materials using role-based access control.
• Designed an admin panel to manage users and oversee system operations.

PathFinder AI – Search Algorithm Simulator | Python May – Jun 2025
• Built a Python-based GUI application demonstrating BFS, DFS, A*, and Dijkstra's algorithms through graph visualizations.
• Implemented color-coded node and edge states to represent search progress and optimal paths.
• Designed an interactive interface allowing real-time observation of algorithm execution.

Technical Skills

Languages: Python, Java, C++, JavaScript, SQL

Frontend: React, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, MySQL

AI / ML: Pandas, NumPy, Scikit-learn (basic)

Tools: Git, GitHub, VS Code, Google Colab