

Sharjeel Ahmad

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PROFESSIONAL SUMMARY

Full-stack developer exploring AI/ML and LLM applications. Interested in building and deploying intelligent, scalable web systems that combine production-grade backend development with modern AI technologies.

EXPERIENCE

Software Engineering Intern

August 2026 – Present

Tech Nodes

Lahore

- Developed a cloud-based SaaS Route Optimization and Delivery Management platform using React.js/Node.js.
- Built a Vehicle Routing Problem (VRP) engine, optimizing multi-depot routes in under 30 seconds.
- Integrated Google Maps, Mapbox, and WebSockets for geocoding, live GPS tracking, and real-time navigation.
- Implemented secure RESTful APIs with token-based authentication and integrated third-party services including Stripe for recurring billing and Shopify/WooCommerce for order synchronization.

TECHNICAL SKILLS

Languages: Python, Javascript, TypeScript, C/C++, C#, SQL, Bash

Frontend: HTML, CSS, Javascript, TS, Bootstrap, React, Next.js

Backend: Node.js, Express.js, FastApi, RESTful API Design

Databases: MySQL, SQLite, PostgreSQL, MongoDB

Developer Tools: Git, GitHub, Postman, VS Code, Vercel, Linux, Docker

Core Skills: Full-Stack Development, Debugging, Code Optimization, Problem Solving

PROJECTS

WorkPro – Social Media Automation | *React, Tailwind CSS, Node.js, SQLite* | [GitHub](#)

2026

- Built an industry-grade SaaS platform for AI-powered social media content creation, prompt management, multi-platform previews, and scheduling across Instagram, Facebook, X, Reddit, and TikTok.
- Implemented a secure Bring Your Own Key (BYOK) architecture supporting user-provided Gemini and OpenAI API keys, with a Creator Studio for generating text captions and visual content for multiple platforms.

AI-Based Shalwar Qameez Gen with 3D Preview | *SDXL, WebGL, FastAPI, Three.js* | [GitHub](#)

2026

- Developed a full-stack AI fashion platform using Stable Diffusion models to generate custom fabric patterns with real-time 2D previews of unstitched and stitched dresses.
- Engineered an interactive 3D anime model viewer using Three.js and GLTFLoader, dynamically mapping AI-generated fabric patterns onto character materials in real time.

JoinUs - Waitlist App | *Node.js, Express, MySQL, EJS* | [GitHub](#)

2026

- Developed a full-stack web application to manage user registrations using Node.js, Express, EJS with MySQL for persistent user registration.
- Implemented automated database initialization and server-side rendering to display real-time registration counts.

EDUCATION

University of Central Punjab

Lahore

BS in Computer Science (**GPA: 3.75**)

Exp. Grad: Oct 2028

KIPS College

Hafizabad

FSc. [Pre-Engineering] (**Grade: A+**)

2021 – 2023