

Ayush Sharma

Full-Stack Developer | Backend Engineer | AI + Systems Enthusiast

8171971349 | ayushsharma1991@gmail.com | linkedin.com/in/ayush-sharma-engineer/ | github.com/Ayush2004sharma

SUMMARY

Full-Stack Developer with a high-performance foundation in **DSA (500+ LeetCode solved)**. Expert in **architecting real-time systems** and **autonomous AI orchestration** using Next.js, FastAPI, and Redis. Focused on streamlining complex data workflows and optimizing system latency to drive technical efficiency.

EDUCATION

Meerut Institute of Engineering and Technology (MIET)
Bachelor of Technology in Data Science

Meerut, UP
Sep. 2022 – Sep. 2026

EXPERIENCE

Software Development Intern | Certificate

Feb. 2026 – Mar. 2026

Sheep.AI Advisory LLP

Mumbai, India

- **Engineered** the architectural mapping for the **Truledgr Accounting System**, optimizing data flow across 4+ core modules to ensure high system integrity and data consistency.
- **Developed** backend logic and internal automation tools, resulting in a 30% increase in operational throughput by reducing manual data entry overhead for the accounting team.
- **Executed** rigorous end-to-end functional testing, identifying and resolving **15+ critical edge cases**, which improved post-deployment stability and reduced bug reports by 25%.

PROJECTS

RADAR-AI | Agent-Based AI Incident Debugging Platform | Live Demo

Dec. 2025

- **Spearheaded** an event-driven backend using Python and FastAPI to process **100+ logs/min**, reducing incident triage time through automated failure prioritization and grouping.
- **Secured** proprietary source-code by architecting a Python watcher that streams metadata for **300+ files**, restricting full-code exposure to backend-authorized requests only.
- **Boosted** root-cause diagnosis accuracy by integrating **Llama-3.1-8B (via Groq)** with deterministic file ranking, ensuring LLM responses are **grounded in real-time incident logs** to eliminate hallucinations.

SyncAI | Next.js, Socket.io, Redis, Gemini API | Live Demo

Apr. 2025

- **Architected** a Generative AI orchestration layer using the **Gemini API** to automate boilerplate generation, reducing manual setup time for full-stack workflows through modular template injection.
- **Optimized** a **Redis-backed WebSocket architecture** to manage high-concurrency sessions, achieving **sub-100ms latency** and ensuring state persistence across distributed server nodes.

MedSync | Next.js, Express, MongoDB, Socket.io, Node.js | Live Demo

Jun. 2025

- **Engineered** a high-performance doctor-discovery engine utilizing **MongoDB Geospatial Indexing**, replacing linear scans with **2dsphere indexes** to enable sub-second filtering within user-defined radii.
- Architected a **scalable real-time messaging architecture** using Socket.io and JWT, implementing persistent message synchronization and delivery status hooks to ensure 99.9% message reliability.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java

Frontend: Next.js, React.js, Tailwind CSS, Redux, HTML5

Backend/Real-Time: Node.js, Express.js, FastAPI, REST APIs, Socket.io, WebSockets

Databases & AI: MongoDB, Redis, Google Gemini API

Tools & Deployment: Git/GitHub, Vercel, Render, Postman, JWT Auth, Rate Limiting

ACHIEVEMENTS & CERTIFICATIONS

- **AWS Certified Cloud Practitioner:** Validated expertise in **cloud architecture, security, and global infrastructure**; issued by Amazon Web Services [[Credential](#)].
- **Junior Software Developer (PMKVY):** Completed **450+ hours** of NCVET government-recognized technical training in full-stack development and software engineering principles.