UJJWAL SHARMA

+91 6397-643-305 ◇ Meerut, Uttar Pradesh, India

LinkedIn ◇ Portfolio ◇ GitHub ◇ LeetCode ◇ CodeForces ◇ Email

WORK EXPERIENCE

Founding Software Engineer Intern Oct 2026 – Present
AuditBuddy *Bengaluru, India*

- Building the company's **core product** as part of the founding engineering team, contributing to product development and core engineering decisions.

Open Source Contributor (LFX Mentee, Graduated) Jan 2026 – May 2026
The Linux Foundation — Magma Core *Remote · Part-time*

- Triaged and resolved critical runtime crashes in Magma's Access Gateway by diagnosing a **C++** namespace collision and correcting linker paths, documenting root cause analysis for the team knowledge base (PR #15813, PR #15812).
- Added **cross-architecture support (x86/ARM)** to the core network stack, validating test cases with senior maintainers to ensure regression coverage across heterogeneous infrastructure.

Software Engineer Intern Jan 2025 – Mar 2025
Midpath Software Pvt. Ltd. *Jaipur, India*

- Built a full-stack audit logging system using Django REST APIs and an admin dashboard, providing complete traceability of application state changes and documentation for operational onboarding.
- Engineered a unified API adapter for GitHub and GitLab by resolving integration conflicts between divergent API schemas, enabling a consistent developer workflow.
- Delivered velocity heatmap dashboards that **reduced sprint planning overhead by 40%**.

PROJECTS

Signalist — Fullstack Fintech Analytics Platform Live · GitHub
Next.js, TypeScript, MongoDB, Finnhub API, TailwindCSS, Inngest

- Integrated the Finnhub REST API to deliver a **sub-second-latency** market data pipeline, normalises and serves live financial feeds on a MongoDB layer optimised for high-throughput reads.
- Implemented event-driven automation (Inngest) for price alerts and watchlists, with RBAC and compliance dashboards ensuring production-grade reliability.

CODAME IIIT Bhopal — Official Club Website Live · GitHub
React, Next.js, Framer Motion, TailwindCSS

- Achieved a **perfect 100 Lighthouse performance score** via lazy loading and responsive design, smooth page transitions with Framer Motion.

Asynchronous Task Processing Engine GitHub
Python, Django, Celery, Redis, Brevo API

- Distributed task queue (Celery + Redis) processing **1M+ records** with horizontal scalability, instrumented with structured logging to diagnose bottlenecks and task failures.
- High-volume email dispatch via Brevo API with retry logic and fault-tolerant delivery at scale.

Cattle Breed Recognition — AI-Powered Web App Live · HuggingFace

- Trained and deployed an image classification model for the government's Bharat Pashudhan App, designing a simplified interface for field workers with limited technical literacy.
- Enabled **real-time breed validation** at livestock registration, improving data accuracy in national government records.

HONORS & ACHIEVEMENTS

- Ranked **156 / 50,000** globally — top 0.31% in **AMS Derive (Jane Street & Qube Research)**
- **LeetCode Knight** (Max: 2034) and **Codeforces Expert** (Max: 1913).
- **Project Admin, NSoC'26** — selected to guide contributors on open-source infrastructure projects.
- Selected by MCN and UN Academic Impact for social leadership as a **Millennium Fellow (Class of 2026)**.
- Selected among **85 engineers globally** for the **competitive** fellowship cohort of **Solana Turbine (TURBIN3)**.
- Member of **Sarvam AI's startup ecosystem and builder program**.

TECHNICAL SKILLS

AI & ML	PyTorch, TensorFlow / Keras, scikit-learn, HuggingFace Transformers, OpenCV
Gen AI & LLMs	LangChain, RAG Pipelines, Fine-tuning, Prompt Engineering, RLHF, LLM Evaluation
Languages	C++ (STL), Python, JavaScript / TypeScript, Bash, C
Backend & APIs	Django, Node.js, REST APIs, Celery, Event-Driven Architecture
Databases	MongoDB, PostgreSQL, Redis, SQL, Vector Databases (Pinecone / Chroma)
Frontend	React.js, Next.js, TailwindCSS, HTML / CSS, Framer Motion
Debugging & Tools	GDB, Valgrind, Docker, Git, Linux / Unix, Makefiles
CS Fundamentals	DSA & Algorithms, OOP, Distributed Systems, System Design, Multithreading

EDUCATION

Indian Institute of Information Technology, Bhopal Aug 2023 – Present
B.Tech in Computer Science

Relevant Coursework: Operating Systems, Distributed Systems, Compiler Design, DSA, Database Systems, Computer Networks, Probability & Statistics
Certifications: Google Cybersecurity Professional Certificate