

UJJWAL SHARMA

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

Email ◇ [LinkedIn](#) ◇ [LeetCode](#) ◇ [CodeForces](#) ◇ [GitHub](#)

WORK EXPERIENCE

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; documented root cause analysis for the team knowledge base ([PR #15813](#), [PR #15812](#)).
- Added **cross-architecture support (x86/ARM)** to the core network stack; validated 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 (Django REST API + admin dashboard) providing complete traceability of application state changes; authored documentation enabling smooth operations onboarding.
- Engineered a unified API adapter for GitHub and GitLab by resolving integration conflicts between divergent API schemas, enabling a single consistent developer workflow.
- Delivered velocity heatmap dashboards that **reduced sprint planning overhead by 40%**.

Problem Setter & Lead Organizer

Oct 2025 – Dec 2025

IIIT Bhopal Competitive Programming Club (CODAME)

Bhopal, India

- Organised Optigo 2026 (inter-IIIT contest), authored DP/Graph problems rated CF 1600–1900, and wrote comprehensive problem editorials for the club knowledge base.
- Mentored **200+ junior developers** through weekly algorithm sessions and office hours.

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.

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.

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.

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

- **AMS Derive (Jane Street & Qube Research):** Ranked **156 / 50,000** globally — top 0.31%.
- **Competitive Programming:** LeetCode Knight (Max: 2034) and Codeforces Candidate Master (Max: 1913); Global Rank **45** in LeetCode Weekly 484 (top 0.2%).
- **Open Source Leadership:** Project Admin, NSoC'26 — selected to guide contributors on open-source infrastructure projects.
- **Millennium Fellow (Class of 2026):** Selected by MCN and UN Academic Impact for social leadership.

TECHNICAL SKILLS

Languages	C++ (STL), Python, JavaScript / TypeScript, Bash, Go, C
Backend & APIs	Django, Node.js, REST APIs, Celery, Event-Driven Architecture
Databases	MongoDB, PostgreSQL, Redis, SQL
Frontend	React, Next.js, TailwindCSS, HTML / CSS, Framer Motion
Networking	HTTP/HTTPS, REST, DNS Fundamentals, API Integration & Troubleshooting
Debugging & Tools	GDB, Valgrind, Docker, Git, Linux/Unix, Makefiles
CS Fundamentals	DSA & Algorithms, OOP, Distributed Systems, System Design, Multithreading
AI & LLM Tooling	RLHF Pipelines, LLM Evaluation, Claude Code, Cursor, AI-Assisted Development

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