

Anurag Jha

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Education

Lovely Professional University

B.Tech CSE — Minor in Full Stack Development and DevOps (GPA: 8.4)

Jalandhar, India

Expected 2027

Technical Skills

Languages: Python, JavaScript, TypeScript, SQL, HTML/CSS, C/C++, Java

Frontend: React, Next.js, Tailwind CSS, shadcn/ui, Jotai, Redux, GSAP, Motion

Backend: Node.js, Express, FastAPI, Flask, MongoDB, PostgreSQL, MySQL, Redis

Tools & Libraries: Git/GitHub, Linux, Postman, NumPy, Pandas, RAG, Docker, Neovim, VS Code, Figma

Experience

Credifin

Full Stack Engineer Intern

Jalandhar, India (Hybrid)

Jan 2026 – Present

- Identified 22 security vulnerabilities (1 critical) across 50+ APIs and 523 pages, impacting 60k+ MAU.
- Built and deployed a custom Shopify web application, improving UI/UX and resolving SEO/GEO performance issues.
- Built VLM-based KYC pipeline, developed and maintained Next.js web apps and Python scripts for automation.

AyurvedaBay

Python Developer Intern

Delhi, India (On-site)

May 2025 – Aug 2025

- Engineered data pipelines processing 100k+ records, automating product listing, reporting, and data cleaning workflows.
- Automated address generation workflows, saving 1 hour/day per employee and reducing operational overhead.
- Built scalable scraping and automation systems to process large CSV/Excel datasets.

Open Source Projects

Infinite Canvas LLM Chat — React, Convex, LiteLLM — [Live Demo](#)

2025

- Built an infinite-canvas chat for non-linear LLM workflows with branching and structured exploration.
- Designed a context buffer to inject text, images, and drawings across nodes, reducing copy-paste and context fragmentation.
- Integrated LiteLLM for proxying, rate limiting, load balancing, and multi-model routing across API keys.

Multi-Strategy Options Trading Bot Framework — Python, Fyers API

2025

- Built a multi-strategy NIFTY 50 options trading system with concurrent live execution and centralized data pipelines.
- Architected modular alpha, execution, and risk layers with dynamic SL/TSL mechanisms.
- Achieved ~60% directional accuracy in live trading using multi-factor signal models and adaptive risk control.

AI Math Notes — Spatial Solver — Next.js, TensorFlow.js — [Live Demo](#)

2025

- Built a real-time handwriting recognition system using custom CNNs trained on MNIST and HASyV2 datasets.
- Designed a Union-Find-based stroke grouping system for accurate multi-stroke mathematical symbol recognition.
- Delivered a high-performance, responsive UI optimized for real-time interaction.

Soko — Multi-Vendor E-Commerce — MERN Stack — [Live Demo](#)

2025

- Designed and built a full-stack multi-vendor marketplace with modular services and role-based dashboards.
- Implemented RESTful APIs with JWT-based authentication, refresh-token rotation, and RBAC authorization.
- Hardened backend using Helmet, rate limiting, and input validation to improve security and reliability in production.

Advanced Spring Physics Easing Library — JavaScript, NPM — [NPM link](#)

2024

- Implemented a spring physics-based motion easing library and visualizer for smooth UI animations.

Certifications & Achievements

• **100x Devs Cohort 3.0** — Full Stack Development and DevOps

2024 – 2025

• All India Rank 1027 (Delhi State Rank 92) — International Informatics Olympiad

• Delhi State Rank 4 — National Science Indian Talent Olympiad

• CUET (UG) 2023 — 98.6 percentile (English), 98.5 percentile (General Test)

• CUET (UG) 2023 — 94.3 percentile (Computer Science)

Experimental Projects

NanoBanana PNG — FastAPI, Gemini API, PIL

2025

- Developed an API to generate transparent PNG images using AI system prompts and chroma keying.

Camera2API Custom Tone Mapping Pipeline — Kotlin, Android SDK

2024

- Built a Camera2API camera app with full manual control, bypassing OEM post-processing for ungraded output.
- Implemented custom log gamma + Bézier tone curves for dynamic range preservation and post-processing flexibility.

Perplexity-Clone CLI — Python, Gemini AI, Trafilatura

2024

- Built a CLI that retrieves live web content and generates concise summaries using Gemini AI.
- Implemented a data extraction pipeline with Trafilatura to clean, normalize, and render structured markdown output.

Text to Caption Video Generator with Multi-Track Audio — Python, MoviePy, Threading

2022

- Built a multithreaded CLI tool to generate videos from spec-based scripts with layered audio tracks and SFX.

Tiny Image Correction CLI — Python, PIL

2020

- Created a lightweight image-processing CLI for adjusting brightness, saturation, and contrast.