

Aditya Kumar Anupam

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SKILLS

Languages:	Python, C, C++, Java, JavaScript, TypeScript
Frameworks:	HTML and CSS, Tailwind, Next.js, Flutter, Flask, Django, FastAPI, LangChain
Tools/Platforms:	MySQL, PostgreSQL, Supabase, Git, Github, Docker, CI/CD, Maven, Vercel, Cloudflare
AI & ML:	HuggingFace, Transformers, Pytorch, TensorFlow, NLP, Fine-tuning LLMs, AI Agents
Soft Skills:	Collaborative, Problem-Solving, Adaptability, Consistency, Critical Thinking

PROJECTS

- **PatentIQ – AI-Powered Patent Evaluation Platform** | [Link](#) May'26
 - Devised an end-to-end patent evaluation workflow automating patent ID extraction, validation, plagiarism analysis, AI-driven scoring, and report generation with real-time submission tracking.
 - Assembled a scalable full-stack architecture using Next.js, TypeScript, Cloudflare Workers, D1, and R2, alongside Firebase OAuth2 for secure role-based authentication and session management.
 - Consolidated mentor analytics, Dodo-powered credit billing, Excel/PDF export systems, and submission lifecycle management into a unified platform for large-scale academic evaluation workflows.
- **Watermark Detector – AI-Powered Computer Vision System** | [Link](#) Apr'26
 - Orchestrated a stateless watermark analysis pipeline using YOLOv8, FastAPI, and OpenCV, enabling real-time in-memory image processing without relying on persistent storage.
 - Crafted a minimalist interface with Next.js and Tailwind CSS, featuring side-by-side comparison views, confidence metrics, and seamless Base64-based image delivery without persistent storage.
 - Streamlined modular AI inference and frontend–backend communication into a deployment-ready architecture optimized for portability, low latency, and scalable computer vision workflows.
- **Dia Chat - Fine-Tuned LLM for the GenZ** | [Link](#) Apr'25
 - Curated and engineered a high-quality NLP dataset on Hugging Face to train a personality-driven conversational model with empathetic, Gen Z-style dialogue.
 - Fine-tuned Gemma-3 1B Instruct with PyTorch and Unsloth, optimizing inference to achieve ~40 tokens/sec with low-latency streaming responses.
 - Deployed on-device model inference pipeline by converting weights to MLC format and compiling WebAssembly runtimes via WebLLM and WebGPU for low-latency browser inference.

TRAINING

- **Cipher Schools - EdTech Company** | [Link](#) May'25 – Jul'25
Mobile Application Development using Flutter
 - Built cross-platform mobile applications using Flutter, integrating PostgreSQL and Supabase for backend services.
 - Implemented secure authentication and real-time data operations using Supabase.
 - Designed modern, consistent UI components following Material 3 for a smooth user experience, while maintaining scalable architecture and clean code practices throughout the project.

CERTIFICATES

- Build Generative AI Apps & Solutions with No-Code Tools | [Link](#) Sep'25
- Mobile Application Development using Flutter | Cipher Schools | [Link](#) Jul'25
- Cloud Computing | NPTEL | [Link](#) Apr'25
- Computer Communications Specialization | Coursera | [Link](#) Oct'24

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.30 Aug'23 – June'27
- **Pataliputra Central School** Khagaria, Bihar
Intermediate; Percentage: 86.40 Apr'20 – Mar'22
- **M P I Senior Secondary School** Begusarai, Bihar
Matriculation; Percentage: 94.80 Apr'19 – Mar'20