

Aayush Dubey

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Summary

Computer Science graduate specializing in AI/ML with production experience shipping full-stack and AI-powered applications. Builds RAG pipelines, LLM integrations, and scalable Next.js systems — with hands-on delivery at the National Informatics Centre (NIC) and Edufin Services. Focused on turning ML research into reliable, user-facing products.

Technical Skills

Languages: TypeScript, JavaScript, Python

AI & Data : LangChain, RAG, Pandas, NumPy, Matplotlib, Seaborn, Hugging Face

Web & APIs : Next.js, React.js, Node.js, Express.js, Hono, Flask, Streamlit, REST

Databases & Cloud: MongoDB, PostgreSQL, Cloudflare Workers, Prisma, Firebase

Frontend Tooling: HTML, CSS, Tailwind CSS, Redux

Experience

Software Developer, Edufin Services – edufinservices.com – Noida, UP May 2026 – Present

- Built and shipped an end-to-end full-stack educational consultancy platform and custom admin CRM in Next.js, from initial design through production.
- Integrated Google OAuth, OTP-based authentication, and the Cashfree payment gateway to streamline student registration, visa workflows, and fee collection
- Raised the PageSpeed score from 69 to 92 by refactoring UI components and optimizing image delivery, improving load times and SEO.

Internship, National Informatics Centre (NIC) – Patel Chowk, New Delhi June 2025 – Aug 2025

- Built a RAG-based chatbot with LangChain and vector databases, applying strict guardrails to cut hallucinations by 80% and ensure high domain accuracy.
- Engineered a Node.js caching layer that eliminated redundant API calls, reducing language-switching latency by 500ms.
- Developed a multilingual OCR pipeline with PyTesseract to digitize scanned government documents across Hindi, Tamil, and other regional languages.

Projects

VoxHire AI - AI Mock Interview Platform github.com/aaydube/voxpath

- Built a full-stack platform that generates dynamic, role-specific mock interviews with structured feedback.
- Implemented real-time voice orchestration with sub-700ms latency and barge-in support using the Vapi SDK and Google Gemini
- Designed a post-interview analytics dashboard delivering actionable, competency-based feedback to users.

Vedawell – AI Health & Wellness Chatbot github.com/aaydube/vedawell

- Developed an AI chatbot offering wellness guidance grounded in Ayurveda and Atharvaveda principles.
- Implemented Retrieval-Augmented Generation with FAISS and LangChain for context-aware responses.
- Fine-tuned LLaMA 3 and optimized document retrieval to deliver accurate answers in under 2 seconds.

Education

KR Mangalam University, B.Tech in Computer Science Sept 2022 – July 2026

- **Specialization:** Artificial Intelligence and Machine Learning