Aditya Nandan

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Education

Graphic Era Deemed to be University, Dehradun   June 2027
B.Tech in Computer Science Engineering   *GPA 8.85/10*

Work Experience

Quivr (YCombinator-backed) – Frontend Intern   September 2024 – November 2024
Remote

– Integrated rich text note-taking feature in React codebase
– Developed using React.js, Next.js, SCSS, TipTap
– Enabled creation, management, and querying of notes using retrieval-augmented generation (RAG) conversational artificial intelligence

Skills

– **Languages:** Python, TypeScript, JavaScript, C, C++, PHP
– **AI/ML:** LangChain, LangGraph, Agentic AI, Generative AI, Computer Vision, Natural Language Processing
– **Frontend:** React.js, Next.js, Vue.js, Flutter, Tailwind CSS, SCSS, HTML/CSS
– **Backend:** FastAPI, Flask, Django, Node.js, Express.js, Laravel
– **Databases:** PostgreSQL, MySQL, MongoDB, Firebase
– **Cloud & DevOps:** AWS (S3, EC2, Lambda), Git, Docker

Projects

Dental X-Ray Analysis AI   github.com/adityanandanx/dental-conditions-detection
– Architected a full-stack AI platform using FastAPI, Next.js, and TypeScript to detect conditions in dental X-rays
– Implemented DICOM file processing and integrated Roboflow computer vision for cavity and lesion detection
– Engineered an automated Agentic AI system to generate diagnostic reports using LangChain and OpenAI which writes professional medical summaries

ScripturaAI: Documentation Generator   github.com/Team-Hacksmith/ScripturaAI
– Built full-stack documentation generator using Flask (backend), React.js (frontend), LangChain (generative AI integration)
– Placed 2nd among 50+ teams at HackTheHills 2024, DIT University

Nirbhay: Automated Distress Detection   github.com/Team-Hacksmith/nirbhay
– Created accessibility-focused safety app for automated emergency alerts
– Integrated ESP32 wearable hardware, Flutter, Firebase, and YAMNet for real-time audio distress detection

Kalam2: Handwriting Generation App   github.com/adityanandanx/kalam2
– Developed app converting text to handwritten SVG using FastAPI backend and RNN-based handwriting synthesis
– Implemented responsive Next.js frontend with Tailwind CSS for visualization and export

Honors and Awards

WorldSkills Asia Web Technologies   Nov 2025
WorldSkills Asia Taipei, Taiwan

– Medallion Winner, Ranked 5 among the top competitors from 14 other countries
– Represented India at Asia level in the Web Technologies skill
– Qualified after winning Bronze medal at IndiaSkills National competition 2024 and several test rounds for over a month

AWS Jam Winner   2025
Graphic Era University

– Winner, campus-wide cloud and DevOps hackathon for Amazon Web Services challenges

IIT Ropar Advitiya Game Jam   2025
IIT Ropar

– 1st place, BitFlip, national 72-hour game development hackathon

HackTheHills   2024
DIT University

– 2nd place, ScripturaAI, national coding hackathon with 50+ teams