

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++
- **AI/ML:** LangChain, OpenAI API, Computer Vision (Roboflow), PyTorch, RNNs, Natural Language Processing
- **Frontend:** React.js, Next.js, Flutter, Tailwind CSS, SCSS, HTML/CSS
- **Backend:** FastAPI, Flask, Django, Node.js, Express.js
- **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 diagnostic report generator using LangChain and OpenAI to create 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 Emergency Detection App

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

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

IndiaSkills Web Technologies

May 2024

National Skill Development Corporation

- Bronze Medalist, national finals (500+ participants)
- Gold Medalist, Uttarakhand region (top among 50+ competitors) in Web Technologies