

Aditya Vankani

9313412617 | adivankani@gmail.com | [LinkedIn](#) | [GitHub](#) | [Leetcode](#) | [Codeforces](#)

Skills

Programming Languages: C/C++, Python, SQL, HTML, CSS, Tailwind CSS, JavaScript

Frameworks & Libraries: React.js, Flask, Node.js, Express.js, TensorFlow, PyTorch, Scikit-Learn, Keras, OpenCV

Databases: MongoDB, MySQL, Supabase

Tools & Platforms: Docker, AWS, GCP, Git, GitHub

Coursework: Machine Learning, Deep Learning, NLP, Computer Vision, Reinforcement Learning, Soft Computing, DSA, OOPs, DBMS, Data Analysis & Visualisation, MLOps

Professional Experience

Software Engineer Intern, 360Design, Ahmedabad

May - June 2025

- Developed core full-stack features for jewellery auction app with **2 user roles**, managing **100+** real-time bids and secure JWT-based access.
- Constructed a role-based dashboard with real-time stats across **5+ key metrics**, enhancing user insights and tracking.
- Integrated Razor-pay, Cloudinary & node-cron to automate 100% of auction closures and payment flow.

Intern, ProdigyInfotech

June - July 2024

- Created multiple interactive Single Page Applications (SPAs) using React.js, implementing complex state management, real-time API integrations, and algorithmic logic for dynamic user interfaces.
- Leveraged React.js and Tailwind CSS to create responsive and interactive UIs and learn to reduce response time by ~10%.

Projects

Sketch'N'Solve :: AI powered notes web app

[\[Demo\]](#) | [\[GitHub\]](#)

Tech Stack: React.js, MathJax, Tailwind CSS, Node.js, Gemini API, Python(fastapi)

- Crafted an interactive sketch-to-solve platform using React, enabling real-time interpretation and capable of answering handwritten expressions (any kind) and drawings with **>90%** accuracy.
- Configured LaTeX rendering via **MathJax** and enhanced usability by implementing draggable output components for a seamless user experience.
- Built canvas utilities (draw, erase, reset, export), enabling **1000+** users to generate and download clean, annotated .png notes with sketch-to-output.

ResearchGen :: A tool that can generate alternative-form content from research papers

[\[GitHub\]](#)

Tech Stack: LLMs(Llama-3, Black-forest-labs), LangChain, LangGraph, Python, StableDiffusion, Cloudinary, GTTS, OpenAI-whisper,React.js

- Engineered an AI-powered pipeline that extracts and summarises academic papers using **LLaMA 3.3 70B**, transforming them into **podcasts, videos, PPTs, and graphical abstracts**.
- Incorporated advanced tools (**GTTS, Whisper, Stable Diffusion, python-pptx**) to automate audio-visual content generation for enhanced research comprehension, significantly reducing academic content digestion time by 70%.

TradeZone :: Virtual Trading Platform for College Competitions

[\[GitHub\]](#)

Tech Stack: React.js, Flask, Supabase, Material-UI, JWT, REST API

- Launched a virtual stock market platform with real-time trading events for university clubs and events with **100+ participants** in stock market competitions.
- Role-based authentication, market control, portfolio management, leaderboards track **top 10 traders**, admin controlled market.
- Market news system handled by admin and Stock statistics updates every **30 seconds**.

Education

B.Tech in Computer Science at Nirma University | Minor in Adaptive AI (**CGPA - 8.91**)

2022 - 2026

Class 12th from Modi schools, GSEB (**90%**)

2021 - 2022

Certificates & Achievements

- Certified by **AWS Academy in Cloud Foundations**, covering 20+ core cloud concepts. [\[View\]](#)
- Oracle Cloud Infrastructure (OCI) Certified AI Foundations Associate** | 2025 [\[View\]](#)
- 700+** DSA and CP problem solved on platform like **LeetCode (Knight)** and **CodeForces**.
- Executive Member of Computer Society of India (CSI)
- Organised large-scale tech events such as "HackNUthon" with **500+** participants fostering innovation and collaboration.
- Competed in 5+ national-level hackathons and ML competitions to strengthen practical knowledge base.
- Assisted with daily operations, meal service, and resident care at Hiramani Old Age Home, Ahmedabad as community service.