

# Aditya Vankani

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## 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.