

Aditya Paul

paul.aditya304@gmail.com | [LinkedIn](#) | [GitHub](#) | [+91-8448935304](tel:+91-8448935304)

EDUCATION

Vellore Institute of Technology University, Bhopal

B.Tech, Department of Computer Science and Engineering

September 2022 - Ongoing

CGPA : 8.87

Delhi Public School, R.K.Puram

Class XII Central Board of Secondary Education (CBSE)

April 2008 - March 2022

Percentage: 91%

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks & Libraries: React, Node.js, Express.js, Flask, Next.js, Material-UI, FastAPI, BeautifulSoup, MediaPipe

Databases: MySQL, MongoDB

AI/ML Tools: PyTorch, OpenCV, Transformers, TensorFlow, pandas, NumPy

Developer Tools: Git, Postman, Google Cloud, VS Code, Eclipse

EXPERIENCE

SDE Intern

April 2024 - April 2025

Kwikflow Service Private Limited (VisaKwik)

Bengaluru, India

- Spearheaded the development of a Customer Relationship Management (CRM) software using React, TypeScript, MySQL and Next.js, driving a 35% increase in sales
- Optimized automated Visa processing by integrating OpenAI and Google Document AI, slashing text extraction costs by 88%
- Engineered the Kwikflow Chrome Extension with an enhanced UI/UX using Vanilla JavaScript for seamless DOM manipulation and easy automation

Machine Learning Lead

November 2023 - August 2024

Google Developer Student Clubs, VIT Bhopal

Bhopal, India

- Hosted a Workshop with 150+ attendees and built an AI Voice Assistant using Google Gemini and Google Cloud
- Led a team of 5 and mentored 100s more via workshops and events

PROJECTS

AI Tutor

Google Gemini, Flask, Next.js, Google ADK, React

[GitHub Live](#)

- Designed and developed a multi-agent tutoring system with subject-specific agents (Math, Physics, History, Chemistry) powered by Gemini API and Flask backend
- Implemented modular agent-tool orchestration and an interactive React + Next.js frontend for real-time, context-aware Q&A delivery

Manimatic

Google Gemini, Manim, Flask, Next.js, React

[GitHub Demo](#)

- Developed a natural language-to-animation platform that converts user prompts into Manim code using Gemini
- Automated video rendering pipeline and deployed a Next.js frontend for seamless user interaction

Langify

PyTorch, Flask, Next.js, TypeScript, React

[Project Link](#)

- Developed a language translator that facilitates text conversion across multiple languages emphasizing on contextual awareness
- Leverages BanglaT5, which achieved a notable 25.2 score on the SacreBLEU metric, outperforming the industry-standard mT5's 22.5

ACHIEVEMENTS

- *Specialist on [Codeforces](#) (Max 1440)*
- *Knight on [LeetCode](#) (Max 1931)*
- *Winner, HackSquad 2023*
- *Semi Finalist, Smart India Hackathon 2023, 2024*
- *Achieved University Rank of 41 among 26,000+ students on [GeeksforGeeks](#)*