

Adamyia Gupta

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EDUCATION

Vellore Institute of Technology

Bhopal, India

Bachelor of Technology in Computer Science and Engineering

2022 – 2026

CGPA - 8.62

- Among the top 10% of the batch
- C++, Operating Systems, Computer Networks, DBMS, Software Engineering.

SKILLS

Technical: SQL, Python, API Development, ReactJS, NextJS, ExpressJS, NodeJS, HTML, CSS, JavaScript

Tools & Platforms: AWS (S3, EC2), MongoDB, Firebase, Vercel, Render, Arch Linux, Ubuntu, Git, GitHub, FastAPI

CERTIFICATIONS

- NPTEL - Marketing Analytics Silver Elite(Top 5%)-May'25 ([link](#))
- SMARTBRIDGE - Full Stack Developer MERN – April'25 ([link](#))
- IBM Career Education Program - DevOps Fundamentals-Mar'25 ([link](#))
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning – Aug'24 ([link](#))
- NPTEL - Cloud Computing Silver Elite -May'24 ([link](#))

EXPERIENCE

Smart India Hackathon

Aug'24– Sep'24

Team Leader

- Led a 6-member team for problem statement SIH1743, developing [\(S.M.A.R.T\) Social Media Automatic Review Tool](#) – an AI-powered tool to extract, structure, and review data from social media platforms.
- Advanced to the final round of Smart India Hackathon by ranking in the top 1% out of 400+ competing college teams during internal evaluations.
- Engineered an automated social media data parsing tool using Python and Selenium, reducing manual data collection time by 60 hours per week and improving digital investigation efficiency.
- Defined task flows, reviewed over 1,000 lines of code, and ensured on-time delivery.

PROJECTS

Varta - Language Learning Platform - vartalaap.live

Apr'25 – May'25

- Deployed a real-time language exchange platform that enabled 60+ users to conduct peer-to-peer video calls, improving average session duration by 35%.
- Engineered a MERN-based application integrated with TanStack Query, Zustand, JWT Auth, and Gemini API, achieving a 40% faster load time and 25% increase in user retention.
- Implemented a daily streak feature that significantly boosted user engagement and retention.

Automatic Construction Plan for Houses

Jul'24 – Present

- Tackled the challenge faced by rural populations lacking architectural knowledge by developing an AI-powered 2D floor plan generator based on plot location.
- Managed a cross-discipline team of 10 and conducted weekly reviews to track progress.
- Integrated ML-based prediction of dimensions, reducing manual planning time by 70%.

ACHIEVEMENTS

- Published a Home-Server Setup Guide with 3,500+ impressions across [GitHub](https://github.com) and [Linkedin](https://linkedin.com).
- Secured 2nd place among 50+ participants in a VIT Bhopal debate competition hosted by the IoT Club, demonstrating strong public speaking and argumentation skills. - [Linkedin](https://linkedin.com)
- Ranked among the Top 32 players out of 400+ in a VIT Bhopal chess tournament.