# Shreya Upadhyay

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## EDUCATION

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| **Vellore Institute of Technology, Bhopal, India** | 2022 - 2026 |
| *Bachelor of Technology (Computer Science Engineering)* | *CGPA: 8.58* |

## EXPERIENCE

**Data Visualization Intern** — Dec 2023 - Feb 2024
*Excelerate*
- **Conducted EDA** on 15,000+ records from multiple sources using Python, Pandas, Tableau, and Excel, delivering 4 **automated dashboards** that improved **data-driven decisions by 35%**.
- Led team discussions and translated analytical insights into actionable dashboards, presenting to non-technical stakeholders to drive data-driven decisions.

**Space Tech Entrepreneur Intern** — Dec 2024 - Jan 2025
*India Space Lab*
- Researched **CubeSat missions, CanSat prototypes** and **astronomy applications** to identify potential use cases and contributed ideas on innovation-driven solutions during brainstorming sessions.

## PROJECTS

**WALL-Echo: Intelligent AI Assistant** | *MERN + AI Project* | ***Live Demo***
- **Built a natural language chat assistant** based on Wall-E's persona using a JWT-secured MERN stack with Tailwind, and **integrated Google Gemini** with prompt engineering for contextual, personality-driven responses.
- Developed a **unique multi-user collaborative chat system** with a **structured collection** of recent individual and group chats for seamless retrieval.

**HealthVerse: Mental Wellness Platform** | *MERN + AI Project* | ***Live Demo***
- Built a wellness app with **AI-powered chatbot (Google Gemini API)** for healthcare-specific conversations with context management and domain filtering, along with mood tracking, cognitive games, and meditation tools.
- Implemented a secure MERN stack with JWT authentication and RESTful APIs, and designed a responsive UI with Tailwind and Framer Motion.

**Survey Sorter: Customer Feedback Platform** | *MERN Project*
- **Developed a secure survey platform** with JWT authentication and CAPTCHA protection.
- Created a **responsive** survey builder (MCQs, ratings, text) and an **admin dashboard** for managing and analyzing responses using MongoDB.

## ACHIEVEMENTS

**Spot-Prize Winner of GenAI Hackathon | Advent of Multimodal AI Hack-24** — Dec 2024
*Intel Liftoff for AI Startups*
- **Developed a multimodal AI solution** using PHI3 (for refined, engaging text) and FLUX (for cohesive visuals), with PHI3 integrated into PIL to seamlessly merge text and images for branded content.
- **Utilized multimodal LLMs** and structured prompting to handle text-image generation tasks efficiently.

**Co-Lead (Student Developer Club and Google Developer Student Club)** — Feb 2024 - Dec 2024
*Design Teams | VIT Bhopal*
- Directed and executed design and development initiatives, collaborating on strategies and mentoring team.

## TECHNICAL SKILLS AND CERTIFICATIONS

**Programming Languages**: Java, Python, JavaScript, HTML, CSS, DSA | **Frameworks & Libraries**: React.js, Node.js, Express.js, Tailwind CSS, Framer Motion, LangChain | **Databases**: MongoDB, MySQL
**AI/ML** : LLMs (OpenAI, Hugging Face Transformers), Prompt Engineering (Zero-shot, Few-shot, Chain-of-Thought), RAG, Prompt Evaluation Methods. | **Tools** : Git/GitHub, Postman, Figma, API Integration
**Product Management:** Agile, Scrum, MVP Development, PRD Writing , KPI Tracking, Problem Solving, Competitive Analysis, Wireframing, Teardowns, User Research  | **Data Visualization** : Tableau, EDA, Analytics
**Certifications**: Cloud Computing (NPTEL, Among Top 5% performers), Google Networking Fundamentals, Marketing Analytics (NPTEL), iamneo -Data Science with Python.