

Shreya Upadhyay

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EDUCATION

Vellore Institute of Technology, Bhopal, India
Bachelor of Technology (Computer Science Engineering)

2022 - 2026

CGPA: 8.57

EXPERIENCE

Data Visualization Intern <i>Excelerate</i>	Dec 2023 - Feb 2024
Space Tech Entrepreneur Intern <i>India Space Lab</i>	Dec 2024 - Jan 2025

• 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.

• 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.