

Education

Vellore Institute of Technology

Chennai, India

B.Tech in Computer Science and Engineering (CGPA: 9.25 / 10)

2023 - 2027

Relevant Coursework

- Data Structures & Algorithms
 - Artificial Intelligence
 - Database Management Systems
- Machine Learning & Deep Learning
 - Operating Systems
- Computer Networks
 - Cloud Computing
 - Web Development

Projects

Eleventh Hour | AI-Powered Code Documentation Tool

[GitHub]

- Built a Flask web app that auto-generates professional project reports by analyzing uploaded code using Google Gemini AI.
- Implemented AI-driven summaries, visual flowcharts (Mermaid CLI), and Word document generation with title page, abstract, and results.
- Handled multi-language file upload (.py, .js, .java, etc.), integrated a dark/light UI, and added PDF export functionality.

PersonaMirror | AI-Powered Lead Profiling & Outreach Tool

[GitHub]

- Built a Streamlit app that converts Twitter/X data into AI-generated personas and cold outreach drafts.
- Integrated Gemini 1.5 Flash and Groq LLaMA3 for persona modeling and simulated conversation testing.
- Implemented cosine similarity-based lead scoring and YAML persona exports for CRM integration.
- Designed a full pipeline from tweet scraping to email generation and chatbot testing with a multi-tab UI.

NutriPro | Nutritionist Appointment Booking Web App

[GitHub]

- Developed a responsive web application using Next.js and Tailwind CSS for booking appointments with nutritionists.
- Implemented user authentication, routing, and form-based appointment scheduling with modern UI components.
- Focused on clean design and user-friendly experience, enabling users to seamlessly browse and book sessions.

Astrology API | FastAPI-Based Horoscope Computation Engine

[GitHub]

- Built a modular **FastAPI** backend with 20+ endpoints for divisional charts, planetary info, and dasha systems.
- Generated dynamic **SVG charts** for D1–D60 vargas, transit, and progression charts.
- Implemented advanced calculations: **Ashtakavarga**, **Shadbala**, **Ashtakootam**, **Panchang**.
- Used **Pydantic** for validation and returned structured JSON/SVG responses for easy integration.

Skills

Languages	JavaScript, Python, C++, Java
Web & Frontend	Next.js/React.js, Tailwind, HTML, CSS, UI/Component Libraries
Backend & APIs	Flask, Supabase, SQL, PostgreSQL, FastAPI,
ML & AI	TensorFlow, PyTorch, scikit-learn, NumPy, pandas, Streamlit, LangChain, OpenAI API
Tools & Platforms	Git, GitHub, Postman, Linux

Certifications

- GEN AI Using IBM Watsonx — Issued by IBM Career Education, June 2025