

Sapparapu B N D Abhijeet

Bachelor of Technology in Computer Science

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Professional Summary

Enthusiastic Computer Science undergraduate with a strong foundation in software development, data structures, and problem-solving. Passionate about building scalable real-world products. Skilled in tackling programming challenges, team collaboration, and adapting to new technologies. Focused on web development enhanced by generative AI workflows, with interests in startup innovation and product thinking. Seeking internships or entry-level software roles to apply and expand these skills.

Education

Indian Institute of Information Technology Vadodara

B.Tech in Computer Science, 2023 – 2027

CGPA: 8.29

Sri Gayatri Junior College

Intermediate, 2020 – 2022

Percentage: 97.8

Hindu Public School, 2020

High School

Percentage: 90.5

Skills

- **Languages:** Python, Java, JavaScript
- **Tools:** Git, GitHub, Docker
- **Frameworks:** React.js, FastAPI, Django, LangChain, LangGraph
- **Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS), Retrieval-Augmented Generation (RAG)
- **Databases:** MySQL, MongoDB

Projects

Lumin – AI Chat Assistant (Ongoing)

Technologies: React, FastAPI, Tailwind CSS, MongoDB

- Developed a full-stack chat application integrating OpenAI/Gemini APIs with dynamic routing.
- Integrated various tools using LangChain and LangGraph.
- Aimed to create a scalable full-stack AI application supporting multiple AI use cases.

WebQuery ChatBot Extension

Technologies: Manifest v3, Bootstrap, FastAPI, Qdrant

- Built a Retrieval-Augmented Generation (RAG)-based web page chat assistant.
- Resolved queries with detailed links on documentation web pages (ChaiDocs).
- Utilized BeautifulSoup for web scraping and Qdrant for vector database clustering.

PDFQuery – Ask Questions

Technologies: Streamlit, FastAPI, Qdrant, Docker

Deployed: example.com

- Created a RAG-based PDF analyzer allowing users to query document content.
- Implemented QdrantDB on Docker with output streaming via Streamlit.

Course Registration System – IIIT Vadodara

Technologies: Django, SQLite, Jinja Templates, Bootstrap

- Developed a comprehensive student-faculty course registration portal based on IIIT Vadodara's academic workflow.
- Implemented session-based authentication and role-based views using Django.
- Integrated Gmail notifications for course registration updates and tracking.

Achievements

- 2025: Google Skill Boost Badges (Arcade Facilitator)
- 2025: HackIIITV (Selected)
- 2024: AI and Data Science Workshop at IIT Hyderabad
- 2023: GeeksforGeeks 3-Star Rated
- 2023: CodeChef 2-Star Rated
- 2023: Microsoft Ambassador Challenge on Git and GitHub

Additional Links

- **LeetCode:** leetcode.com/Bhanu545
- **Codeforces:** codeforces.com/profile/Bhanu546
- **Portfolio:** sbndabhijeet.github.io/portfolio
- **Hashnode:** hashnode.com/@Bhanu546