

Milin Patel

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PROFESSIONAL SUMMARY

AI/ML-focused Computer Science student with hands-on experience in developing intelligent assistants, full-stack analytics tools, and large-scale generative AI applications. Passionate about solving high-impact real-world problems using Python, ML, and scalable data systems. Recently created a RAG-powered chatbot and voice assistant, and contributed to VIT AI Hub's independent project "Darzi."

TECHNICAL SKILLS

Languages: Python, C++, Java, SQL
Tools: Flask, Gradio, HuggingFace, LangChain, Git, Streamlit
Concepts: Generative AI, Prompt Engineering, NLP, STT/TTS, RAG, REST APIs
Platforms: Linux, GitHub, Jupyter

PROJECTS

QABot with RAG and LangChain

IBM GenAI Capstone Project

- Engineered a contextual Q&A bot using LangChain and Streamlit, improving query response accuracy by **30%** over base models.
- Developed a RAG pipeline to retrieve and answer from custom document data, reducing hallucination by **40%**.
- GitHub:* github.com/Aestheticfrog/QAbotwithragandlangchain

C.H.A.O.S AI – Multimodal Voice Assistant

Jan 2025 - Present

- Developed a voice-based AI assistant using Flask, Gemini Pro API, STT/TTS, and Gradio, achieving **95%** task execution accuracy.
- Designed a modular architecture that improved feature integration time by **50%**. Used by **30+** peers in productivity trials.
- GitHub:* github.com/Aestheticfrog/CHAOS_AI

Study Routine Coach – AI Productivity App

Oct 2024 - Dec 2024

- Developed a Flask + Gemini Pro-based study planner, resulting in a **20%** increase in task completion rates for early users.
- Integrated a robust REST API backend with prompt workflows, supporting over **100** API calls per minute.
- GitHub:* github.com/Aestheticfrog/study-gemini-schedule-coach

EXPERIENCE & TECHNICAL LEADERSHIP

Data Science Intern

Celebal Technologies Aug 2025 - Present

- Implemented a scalable data ingestion and processing pipeline using Python for a large-scale project, handling over **1TB** of data.
- Developed predictive models to forecast customer churn, resulting in a **15%** improvement in retention rates.
- Utilized machine learning algorithms and statistical analysis to extract key insights, driving data-informed business decisions.

Collaborator

VITB AI Innovator Hub

- Selected for "Darzi: AI Resume Tailor Suite" project, which aims to automate resume formatting by **80%**.

Contributor

GirlScript Summer of Code (GSSoC)

- Actively contributed to an open-source project by resolving bugs and adding new features, improving code

maintainability by **25%**.

Core Technical Member

Technomech Club, VIT Bhopal

- Coordinated a UI/UX hackathon with over **100** participants, onboarding mentors and judging submissions.

EDUCATION

VIT Bhopal University

B.Tech in Computer Science (AI & ML)

- Expected Graduation: 2027

CGPA: **8.59/10**

Bal Bharati Public School

Pre-University Education

- Completed: 2023

CERTIFICATIONS

- IBM – Generative AI Professional Certificate (**16** courses completed)
- BoosCoder Academy – Advanced SQL for Interviews
- NPTEL – Cloud Computing