

Pratik Patel

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EDUCATION

Bachelor of Technology in Information Technology, Parul Institute of Engineering and Technology

(Expected Graduation: 2026)

Cumulative Grade Point Average (CGPA): 7.84

Higher Secondary Education: Parth School

June 2022

EXPERIENCE

AI Program | AI Engineer Trainee

2024 – Present

- Built and deployed multiple AI-driven applications using Python, LangChain, FAISS, HuggingFace models, focusing on domain-restricted and retrieval-based chat systems
- Designed and implemented medical chatbot pipelines using vector databases and document ingestion, enabling accurate responses from structured medical reference books
- Integrated Streamlit-based backends with custom frontend interfaces, improving response relevance and system usability
- Participated in real-world AI tasks including video-based AI tagging (Tag2PO project), strengthening applied ML and problem-solving skills

PROJECTS

PrediCare (GitHub) | AI Medical Chatbot

Python, LangChain, FAISS, HuggingFace, Streamlit

- Built an AI-powered healthcare assistant capable of answering domain-restricted medical queries using trusted medical textbooks
- Implemented document chunking, embedding pipelines, and semantic search to improve answer accuracy and reduce hallucination
- Designed backend APIs and chatbot logic enabling scalable medical Q&A use cases

NutriLens | Product Health Analysis System

React, MongoDB, APIs

- Developed a barcode-based product analysis platform to evaluate ingredient safety and nutritional quality
- Categorized and ranked healthy products across multiple food domains to improve consumer decision-making
- Focused on frontend usability and structured data handling for real-world retail use cases

SKILLS

Languages: C++, JavaScript, Java

Web Technologies: HTML, CSS, Nodejs, Express Js

Database: SQL, MongoDB

Libraries/Frameworks: Reactjs, HuggingFace

Tools: Git/GitHub, Heroku

ACHIEVEMENTS

- Selected for **AI Tech Tour Program** through competitive screening
- Participated in **10+ hackathons**, building production-grade prototypes under time constraints

EXTRACURRICULAR ACTIVITIES

- Actively involved in a spiritual study group, participating in structured learning, discussions, and consistency-based practices