Palak Lohade

Vadodara | Email | LeetCode | LinkedIn | GitHub

Education

Parul Institute of Technology, B-Tech in Computer Science and Engineering   Sept 2022 – Present
- CGPA: 8.2

Projects

PDF Summarizer and Query Answering Telegram Bot
- Created a Telegram bot that summarizes PDFs and answers queries using LLM, LangChain, RAG, and Hugging Face Transformers.
- Solves real-world problems by making document understanding seamless through conversational AI.
- Crossed 20K+ views on LinkedIn and received strong appreciation.
- **Tools:** Python, Telegram API, Hugging Face, LangChain

Realify – Healthcare Fake News Detection
- Developed an ML model to detect fake news in the healthcare domain using a curated medical dataset.
- Aims to combat misinformation by predicting the authenticity of health-related claims.
- **Tools:** Python, Scikit-learn, Pandas, NLP

AI-Powered PPT Generator (In Progress)
- Working on a smart platform that generates presentations using user inputs and document context.
- Uses RAG and the Mistral model via Ollama to automate slide creation.
- **Tools:** React, Python, RAG, Ollama, Mistral

Technologies

Front-end Development: HTML, CSS, JavaScript, TypeScript, React
Back-end Development: Node.js, Express.js, Python, Flask
Database Management: MongoDB, SQL
GenAI and ML: LangChain, RAG, Hugging Face Transformers, Mistral, Ollama, Scikit-learn
Tools and Frameworks: RESTful APIs, Git & GitHub, npm, Telegram API

Hackathon Experience

All India Women's Hackathon
- Developed **Khetmart**, a digital platform connecting farmers directly with customers, eliminating middlemen to improve profits.

Vadodara 5.0 Hackathon
- Built **Manzil**, an AI-powered travel assistant that delivers personalized itineraries based on user interests and real-time data.

Hackverse 2025
- Led a team of 4 to develop **EcoTrack**, a mobile application that calculates and tracks users' carbon footprint, promoting sustainable choices.

Leadership and Extracurricular Activities

- Served as a Student Ambassador for the Technical Event Cell, promoting and organizing technical events and workshops.(Aug 2023 - Present)
- Led execution of major hackathons including AI-ML Hackathon and Hackvengers, managing operations, logistics, and anchoring.
- Participated in technical workshops to deepen domain knowledge and hands-on skills.
- Shared my learning journey, projects, and event experiences consistently on Twitter to connect with the developer community.