

Taneesh Mukesh Patel

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TECHNICAL SKILLS

Programming Languages and Frameworks: Python, C++, Json.

Relevant Coursework : Data Structures Algorithms, Operating Systems, Object Oriented Programming, DBMS.

Tools & Frameworks: n8n, LangChain, LangGraph, Hugging Face, OpenAI API, LlamaIndex , FastAPI , NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Keras.

PROJECTS

Ask My Docs

January 2025 – April 2025

Backend AI service for querying PDF documents using LangChain, FAISS, and local LLMs (no external APIs).

- Built a LangChain QA system using a FastAPI backend to process large PDF/TXT files (10k+ chunks).
- Developed a self-contained RAG pipeline (FAISS, sentence-transformers) that delivered 85%+ answer relevance.
- Deployed local LLMs like TinyLlama and Phi-2 with llama-cpp-python, enabling sub-second, offline CPU inference.

Smart Expense Categorizer & Budget Advisor

Jan 2025 – June 2025

A backend ML tool that categorizes expenses, detects anomalies, and generates budget insights from CSV statements.

- Achieved 90%+ accuracy classifying 5,000+ financial transactions into 8 spending classes with Scikit-learn.
- Detected and flagged 30+ irregular spending patterns using Isolation Forest and custom anomaly rules.
- Automated generation of weekly budget reports in HTML and PDF formats with insights from 100+ spending attributes.

EXPERIENCE

AI/ML Intern

July 2025 – October 2025

Neno-Technology (Build and Sell Automation)

Bengaluru, India

- Developed and optimized AI agents and automation workflows to improve operational efficiency for clients.
- Researched market trends and competitor tools to support product enhancements and client solutions.
- Assisted in prompt engineering and API integration for deploying custom automation solutions.

EDUCATION

VIT Bhopal University

Bhopal, India

Bachelor of Technology in Computer Science and Engineering (AI and ML)

2023 – 2027

- CGPA: 8.9

CERTIFICATIONS

The Complete Full-Stack Web Development Bootcamp (Udemy)

Cloud Computing (IIT Kharagpur)

LEADERSHIP & RESPONSIBILITY

Tech Lead

Feb 2025 – Present

VITERA Club, VIT Bhopal

Bhopal, India

Spearheaded the 'Trailblazer Quest' at Advita25 by developing interactive 'Puzzle Quest' and 'RapidBuzz' challenges using Python, Flask, and WebSockets.

Engineered an RFID-based attendance system with React and Firebase, slashing administrative overhead by 40%.

Led a team of 10+ members to organize 5+ large-scale environmental events, boosting social participation by 40%.

Discipline Lead

Aug 2024 – May 2025

Gujarati Club, VIT Bhopal

Bhopal, India

Served as Discipline Lead for the Gujarati Club at VIT Bhopal, overseeing discipline and coordination during large-scale events.

Managed and guided over 2000+ students, ensuring smooth conduct and safety throughout club activities.

Collaborated with event organizers and volunteers to maintain order and facilitate successful execution of cultural programs.

ACHIEVEMENTS

- Achieved 85%+ accuracy on academic PDFs using a RAG pipeline with top-k retrieval and source-backed generation.
- Enhanced project collaboration by contributing to 10+ open-source repositories during GSSOC.
- Achieved 90%+ accuracy in categorization and reduced manual budgeting by 80%.