

Taneesh Mukesh Patel

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Bachelor of Technology
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EDUCATION

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

VIT Bhopal University

2023-27

CGPA: 8.9

PERSONAL PROJECTS

• Ask My Docs

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

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

•Tech Lead | VITERA Club, VIT Bhopal

Feb 2025

Trailblazer Quest at Advita25

- Puzzle Quest and RapidBuzz using Python, Flask, and WebSockets.
- Built an RFID-based attendance system (React, Firebase) that slashed administrative overhead by 40%.
- Led a team of 10+ members to organize 5+ large-scale environmental events, increasing social participation by 40% and system performance that was close to 100 percent.

•GirlScript Summer Of Code 2024

May 2024 - Nov 2024

OPEN SOURCE DEVELOPEMENT

Online

- Contributed to 10+ open-source projects using GitHub and React.js, ensuring seamless project collaboration.
- Mastered teamwork, version control, and agile methodologies in a fast-paced development environment.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Java, Python, Javascript, HTML, CSS

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: Pandas,NumPy,Scikit-learn,Matplotlib,NODEJS

Cloud/Databases:MongoDb, Firebase, Relational Database(mysql),PostgreSQL

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Basics of Computer Networks,Discrete Mathematics, Probability and Statistics

Areas of Interest:Machine Learning,GEN AI.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

•TECH LEAD VITERA CLUB, VIT BHOPAL

Nov 2024 - present

- Organized 5+ events focused on environmental seminars, attracting 300+ participants.
- Developed promotional content and drive social media outreach, increasing event engagement by 40%.

LANGUAGES

•English Full Professional Proficiency

CERTIFICATE

The Complete Full-Stack Web Development Bootcamp(Udemy)

AWS Certified Cloud Practitioner (AWS)

Cloud Computing (IIT Kharagpur)

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%