

Pankaj Joshi

Mumbai, India • +91-7045191561 • pankaj70451@gmail.com

• github.com/Pankajjoshi11 • linkedin.com/in/pankaj/ • leetcode.com/u/Pankaj08

EDUCATION

University of Mumbai, Thadomal Shahani Engineering College (TSEC) |

Nov 2022- Present

Bachelor of Engineering in Information Technology

CGPA: 8.62, Relevant Coursework: Computer Networks, Operating Systems, Database Management System, Data Structures and Algorithms, Software Engineering.

EXPERIENCE

Skillmine IT Consultancy | Software Testing and Automation Intern

1st July 2025 – 31st July 2025

- Conducted manual testing to identify bugs and ensure functionality of assigned modules.
- Helped build a Face Recognition Attendance System across both frontend and backend.

TECHNICAL SKILLS

Languages: JavaScript, C, C++, Python, Typescript, Java

Tools: Git, Github, Postman

AI: TensorFlow, PyTorch, Scikit-learn, NLP, Data Preprocessing, Deep Learning, Streamlit

Web & Databases: HTML5, CSS3, MySQL, ReactJs, Flask, Next.js, Firebase, MongoDB

PROJECTS

TravelMate | React JS, Node JS, Machine Learning, Firebase, Python, GenAI ([Repository](#)) & ([Link](#))

- Designed a full-stack AI travel planner that generates personalized itineraries using **Google Gemini Generative AI** based on user preferences.
- Integrated **Google Places API** to fetch detailed location insights and real-time travel suggestions.
- Implemented **Google OAuth** for secure authentication and crafted a clean, responsive UI with Tailwind CSS and Shadcn components.

Authenticity | Python, React JS, MongoDB, Flask, Machine Learning ([Repository](#))

- Built an AI tool using **RoBERTa**, **TF-IDF**, and **logistic regression** for content authenticity, grammar, summarization, and plagiarism checks.
- Developed a **React.js + Flask** web app with MongoDB for real-time analysis of text and PDF inputs.
- Used cosine similarity and K-Means for summarization validation and plagiarism detection.

Document Q&A RAG Assistant | Streamlit, Python, LangChain, SQLite, Ollama ([Repository](#))

- Developed an intelligent document-based question-answering system using **Retrieval-Augmented Generation (RAG)**.
- Integrated Ollama embeddings and llama3.2 LLM for natural language response generation.
- Implemented smart text chunking with recursive character splitting and vector storage using ChromaDB.
- Designed a clean Streamlit interface for document uploads (PDF/TXT) and interactive querying.

RESEARCH PUBLICATION

Indian Election Forecast using Twitter Sentiment Analysis | ICMAAI 2025 ([Certificate](#))

June 2025

- Built a CNN model for sentiment analysis on 78K+ Indian election tweets, achieving **94.53% accuracy**, the highest reported in political tweet classification.
- Applied advanced preprocessing using NLTK, balanced the dataset, and visualized insights with Seaborn and WordCloud.
- Benchmarked against **BERT** and **Linear SVC**, demonstrating superior performance using precision, recall, and F1-score metrics.

LEADERSHIP & ACHIEVEMENTS

Position Of Responsibility:

• **Logistics Head** | IETE-TSEC

March 2024 – March 2025

Led logistics operations for major college events, managed a team of 6 and oversaw end-to-end operations.

• **Assistant Logistics Head** | IETE-TSEC

July 2023 – March 2024

Assisted in planning and coordinating logistics for departmental technical events with 200+ attendees

Hackathons:

- Ranked 4th in a 48-hour city-wide hackathon organized by GDG-TSEC (Google Developer's Club) ([Project](#))

Feb 2025

CERTIFICATIONS

- Introduction to Frontend Development | Meta ([Link](#))
- Career Essentials in Generative AI | Microsoft & LinkedIn ([Link](#))