Meet Vaghela

⊙ Vadodara   ✉ vaghelameet765@gmail.com   ☎ 7862817570   in linkedin.com/in/vaghelameet

Summary

Final-year Computer Science student with a strong passion for AI/ML.Experience in building intelligent, user-focused applications, deploying real-time machine learning solutions, and exploring LLM applications with LangChain.

Education

ITM (SLS) Baroda University	Vadodara, Gujarat
Bachelor of Technology in Computer Science (CGPA – 9.05)	Sept 2022 – Apr 2026

12th Grade – Gujarat Board, 2022 — 70.15%
10th Grade – Gujarat Board, 2020 — 81%

Experience

Machine Learning Intern   Remote
CodeSoft   June 2025 – Aug 2025

- Built an NLP movie genre classifier using Naive Bayes on 10,000+ IMDb synopses, usingDF and Grid-SearchCV for tuning, and deployed the optimized model using pickle.
- Designed a fraud detection pipeline using ensemble methods (Random Forest, XGBoost), improving the classification accuracy to 85%+ through effective handling of unbalanced data.
- Implemented a character-level RNN for handwritten text generation using the deep-writing data set.

Machine Learning Intern   Remote
CODECRAFT INFOTECH   June 2025 – Aug 2025

- Developed a deep learning model using TensorFlow and CNN to classify handwritten digits from the MNIST dataset, achieving over 97% accuracy with a custom image prediction and visualization pipeline.
- Built a cat vs dog image classifier using SVM with PCA and GridSearchCV, achieving 65% accuracy and exporting the model pipeline with Pickle.

Projects

Sentiment Analysis on Tweets/Feedback—Python, NLP, Scikit-learn, Flask

- Built a sentiment analysis system using TF-IDF and models like Logistic Regression and SVM to classify tweets and feedback.
- Achieved high accuracy on real-world data and deployed the model via a Flask web app for real-time prediction.

AI Document Search (Rag Chatbot) —React.js, Langchain, FastAPI

- Developed a RAG chatbot for querying PDF documents using FastAPI and LangChain.
- Implemented semantic search with FAISS and embeddings for accurate context retrieval.
- Integrated Google Gemini API for AI-generated answers based on document content.

Technical Skills

Languages: Python, SQL	**Frameworks:** Flask, React.js, FastAPI, Langchain
Databases: MySQL, MongoDB	**Developer Tools:** Git, Docker

Certification

Python - HackerRank, AI Engineer - oneroadmap, Data Analysis and Visualization - IBM, Google, Microsoft, LangChain - CodeSignal