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Shiwam

AI/ML Engineer | Final-Year Student

Portfolio: shiwam.com
github.com/Shiwam-m
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Final-year AI/ML engineering student with solid expertise in Machine Learning, Deep Learning, and NLP, backed by practical experience in building LLM workflows, RAG-based applications, and API-driven deployments. Looking for an opportunity to apply my skills in developing impactful AI solutions within a product-focused or research-oriented team.

Skills

Languages	Python, C, SQL, HTML/CSS
ML/DL	Scikit-learn, CNNs, RNNs, Transformers, NLP, LLMs
GenAI	LangChain, ChromaDB, VectorDBs, AutoGen
Frameworks	FastAPI, Streamlit, Docker, GitHub Actions
Concepts	OOP, REST APIs, DSA, CI/CD, EDA, Feature Engineering

Technical Experience

Software Development Intern **July 2025 – August 2025**
Nimbusnext *Maharashtra, India*

- Built multi-agent LLM system using LangChain, GPT-4, ChromaDB
- Improved prompt output relevance by 40% using RAG and DAG orchestration
- Deployed 5+ RESTful APIs with FastAPI for LLM integration
- Designed inter-agent logic for dynamic task decomposition

Personal Projects

Customer Support AI Chatbot
Azure OpenAI, Whisper, ElevenLabs, FAISS, Streamlit, LangChain | **Project Link**

- Built multilingual AI chatbot with speech input/output using Azure OpenAI, Whisper, and ElevenLabs.
- Added document upload - RAG search using FAISS, enabling dynamic knowledge expansion.
- Created modular retrieval + LLM workflow using LangChain with Streamlit-based UI.
- Containerized with Docker and automated deployment using GitHub Actions.

SmartMeet – AI Meeting Scheduler (College Project)
Flask, React, Azure OpenAI, Tailwind CSS, SMTP, Python | **Project Link**

- Built an NLP-driven meeting scheduler using Azure OpenAI (GPT-4o) to extract meeting details from natural language.
- Developed a responsive React landing page with Tailwind CSS, delivering a clean and professional UI/UX.
- Automated HTML email invitations via Gmail SMTP with secure environment variable handling using `.env`.
- Designed a modular Flask backend architecture supporting future integration with calendar APIs and smart scheduling logic.

Boston Housing Price Prediction
Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Pickle | **Project Link**

- Performed EDA and visualized key features affecting housing prices.
- Preprocessed data with train-test split and feature scaling.
- Built and evaluated a Linear Regression model (MAE, MSE, RMSE, R^2).
- Packaged the model with Pickle for deployment and new predictions.

Education

B.Tech in Computer Science Engineering (AI/ML Specialization)
KCC Institute of Technology and Management, Greater Noida, UP **2022 – Present**

Certificates

Nimbusnext – Internship
Prompt Engineering
HCLTech – Technology Fundamentals

Coding Profile

LeetCode
Kaggle Profile