Hello
I'm Vedant Shinde

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Github : https://github.com/Vedshinde6

Skills

Language and Tools   : C, C++, Python, Git, Github

Libraries & Frameworks   : Numpy, Pandas, Matplotlib, Seaborn, Sk-Learn, Langchain, FastAPI, Pydantic

AI/ML & Applications   : LLMs (Large Language Models), LLM-powered Applications, Model

Deployment(Flask, FastAPI)

Data Science and Machine Learning : Data gathering, Data cleaning, EDA, Feature engineering, Feature selection &

Extraction

Mathematics for ML & DL   : Statistics, Probability, Linear algebra, Matrices

Projects

Second Year Project

Heart Disease Prediction using Machine Learning

- Collected and preprocessed a publicly available heart disease dataset
- Explored various ML algorithms (KNN, XGBoost) and evaluated their performance
- Deployed the model via a web interface using Flask, enabling user-friendly interaction
- Tech Stack: Python, Scikit-learn, Flask
- Link : https://heart-disease-prediction-model-1.onrender.com/
- Source Code : https://github.com/Vedshinde06/Heart-Disease-Prediction-Model

Third Year Project

LLM-powered Research Paper Summarizer

- Developed a Research Paper Summarizer that generates summaries in customizable styles (Simple, Technical, Fun).
- Used LangChain + HuggingFace Qwen3-Coder for LLM integration.
- Created a Streamlit UI with prompt engineering for flexible input.
- Summarized complex papers like 'Attention is All You Need' into engaging and concise formats.
- Tech Stack: LangChain, HuggingFaceEndpoint, Streamlit, PromptTemplate
- Source Code : https://github.com/Vedshinde06/Langchain/blob/main/Prompts/prompts_ui.py

Third Year Project

Patient Management System API

- Developed a RESTful API for managing patient records with CRUD operations (Create, Read, Update, Delete).
- Implemented Pydantic models with validation, computed fields for BMI and health verdicts.
- Added features like patient lookup, sorting by health metrics (Height, Weight, BMI), and error handling.
- Designed modular functions for JSON-based data persistence and API responses.
- Tech Stack: FastAPI, Pydantic, Python, JSON
- Source Code : https://github.com/Vedshinde06/Patient-management-system-API-fastapi-

Education

Aug 2023 - June 2027

Dr. D.Y. Patil College of Engineering and innovation – *B.E. in A.I.D.S. (Third year)*