Yash Mhaskar

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Education

D.Y.Patil College Of Engineering   Nov 2022 - June 2026
Bachelor of Engineering in A.I.D.S(CGPA of 8.41)   *Pune, India*

Projects

Stock News Sentiment Analysis Platform | *Langchain, Pytorch, chromadb, Gemini* | **GitHub**   4
- Developed a platform to help users receive a **sentiment analysis** on a news related to a stock and **implemented a chatbot** to query that news.
- Implemented a **RAG based AI Chatbot** using **Langchain** and **ChromaDB** with **Gemini-1.5-Flash LLM** as base to query fetched news.
- Optimized real-time stock analysis by implementing **automated database refresh**, ensuring accurate and up-to-date data retrieval with each new stock ticker entry.
- Implemented a **periodic real time data fetching pipeline** to scrape news off of **60+ different news websites** using **BeautifulSoup** for web scraping. **Llama 3.2 LLM to parse the relevant news** from the HTML response.

Agrimate | *pmdarima, Pytorch, Sqlite3, Flask* | **GitHub Live Link**   4
- Developed a **time series model** using ARIMA to predict values of rainfall in various regions of Maharashtra.
- Performed **feature selection and feature engineering on** raw time series data.
- Obtained **90%** training accuracy and **87%** testing accuracy.
- Implemented **User Authentication** using Flask and Sqlite3 Database.

Rice-disease Classification | *Flask, Pytorch, Matplotlib* | **GitHub**   4
- Developed a model that can accurately predict **4 types** of rice diseases.
- **Fine tuned** a **RESNET-18** model to train on the collected rice disease images.
- Achieved **97% accuracy** on the training data and **93% accuracy** on testing data.
- Used **Flask** to create a server enabling the user to upload input rice leaf image which is fed to the model and accordingly the response is generated.

Achievements

- 1st Rank In Software Category At SIH Internal College Hackathon
- 4th Rant At Vishwakarma University Techfest Hackathon
- LeetCode 200+ problems

Profile Links

- GitHub
- LeetCode
- Kaggle
- Medium

Technical Skills

Languages: Python, C++, SQL
API Development: FastAPI, Flask, Django, Postman
Data Analytics: Excel, PowerBI
Databases: MySql, MongoDB, SQLite3
CI/CD: GitHub Actions, Docker, Render, Vercel
Version Control: Git, GitHub