Piyush Choudhari

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Technical Skills:

- **Languages:** Python, SQL, Java
- **API Development:** FastAPI, Django Rest Framework, Postman, Insomnia
- **Data Analytics:** Excel, PowerBI, Tableau
- **Databases:** Sqlite3, Postgresql
- **CI/CD:** GitHub Actions, Docker, Render, Vercel
- **Version Control:** Git, GitHub

Projects:

Stock News Sentiment Analysis Platform - [GitHub](#)   Oct 2024

- 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 **real time data fetching pipeline** to **scrape news off of 60+** different news websites using **Selenium** for web scraping. **Llama 3.2 LLM** to **parse** the relevant news from the **HTML response**.
- **Created a pipeline** to get **inference on finBERT text classification** model to receive **"positive", "negative" or "neutral" classification** on the relevant news.
- Implemented a **RAG based AI Chatbot** using **Langchain and ChromaDB** with **Gemini-1.5-Flash LLM** as base to query fetched news.

AI-Based Resume Screener - [GitHub](#)   Sep 2024

- Developed an **AI system** to ingest and query resumes. **Scaled the system to work on 500+ resumes**.
- Implemented a **RAG Pipeline** using **Langchain** and **ChromaDB**.
- Integrated **Gemini-1.5-Flash LLM** API and Local **Llama 3.2:3b LLM** (alternative) into the RAG Pipeline.
- Utilised **Flask** to create **backend APIs** to **interface the frontend** with the RAG Pipeline and LLM.

RecycleNet18 - [GitHub](#)   Feb 2024 - Mar 2024

- Developed a model to classify images of recyclable items into **30 different categories**. Used a pretrained **Resnet18** and trained a **custom prediction head** consisting of **3 layers**.
- Collected data from **2 sources**, **70% from kaggle** and **20% by web scraping**.
- Obtained **90% training** accuracy and **82% testing** accuracy.
- Integrated a **chatbot to guide the user** on exactly how to **recycle the classified item in a sustainable way**.

Pokedex API - [GitHub](#)   Jul 2024 - Aug 2024

- Developed a **RESTful API** to fetch data regarding Pokemons.
- Scrapped data from www.pokemondb.net and data about **1015 pokemons** was scrapped and stored into csv files. The data in the csv files was cleaned and transformed. Then it was imported into the Sqlite3 database for persistence.
- **Uploaded** the data to Kaggle as an **open-source dataset** received **1100+ downloads** and **5000+ views**. [Dataset](#).
- Used **FastAPI** to create a server. The routes enable the clients to **query** the data by **name, species, size, type, abilities and base combat stats**.
- Configured **GitHub actions** workflows to **automate linting** using **Pylint** and building the app inside a container to ensure it is working.

Certifications:

- IBM Data Science: [Credentials](#)
- Complete Data Science, ML, DL,NLP Bootcamp: [Credentials](#)

Education:

1. **D.Y.Patil College Of Engineering, Akurdi:** B.E Artificial Intelligence And Data Science   **2022-2026**
   - 8.3/10 **CGPA**