

Vinayak Annigeri

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EDUCATION

B.E. in Computer Science and Engineering
SDMCET, Dharwad, Karnataka

2020 – 2024

TECHNICAL SKILLS

Programming: Python, SQL, C Programming
Machine Learning & AI: PyTorch, Transformers, Scikit-learn, RAG, NLP
Web Frameworks: Streamlit, Flask, FastAPI
Developer Tools: Git, GitHub, VS Code, Excel, Power BI
Soft Skills: Adaptability, Problem Solving, Communication, Presentation

PROJECTS

Movie Recommendation System

Sep 2022 – Nov 2022

- Developed a content-based movie recommendation engine using CountVectorizer and Cosine Similarity.
- Implemented stemming with NLTK to normalize and enhance text accuracy.
- Created an interactive UI with Streamlit for real-time suggestions.

Conversational AI Agent

Feb 2023 – Jun 2023

- Built an AI assistant using LangChain's ReAct framework and OpenAI APIs.
- Integrated tools like Weatherstack API and DuckDuckGoSearchRun for external data access.
- Enabled streaming output for a smooth, human-like chat experience.

YouTube RAG Assistant

Dec 2023 – Mar 2024

- Implemented a question-answering app using RAG architecture over YouTube transcripts.
- Used SentenceTransformers + FAISS for semantic search and retrieval.
- Orchestrated LangChain agents and GPT to deliver intelligent answers.

Early Detection of Chili Crop Diseases

Dec 2023 – Mar 2024

- Trained a CNN using TensorFlow & Keras for detecting chili crop diseases and pests.
- Applied OpenCV and ImageDataGenerator for image preprocessing and augmentation.
- Deployed a real-time prediction tool via a Streamlit interface.

INTERNSHIP EXPERIENCE

HAEGL Technologies Pvt. Ltd.

Data Analyst Intern, Sep 2024 – Feb 2025

- Assisted in cleaning, analyzing large datasets to identify patterns and trends.
- Built dashboards using Excel, SQL, Python, and Power BI.
- Used BeautifulSoup for real-time web data scraping.
- Performed exploratory data analysis (EDA) using tools like Python, Excel, or SQL to identify trends, patterns, and outliers.

CERTIFICATIONS

- C Programming Certification – ISCT (Global Infotech)
- Data Analytics Career Path: 72 Days of Data Analyst – Udemy