

Farhaan J

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EDUCATION

Integrated Masters in Artificial Intelligence & Machine Learning
Coimbatore Institute of Technology, Coimbatore
CGPA: 8.83 (Till 3rd semester)

July 2021 - May 2026

SKILLS

- Languages: Python, Java, C, R | Html, Css & Js
- Frameworks: Pandas, Numpy, Scikit-learn, LangChain
- Tools: MySQL, Flask | Kivy
- Data techniques: Data cleaning, Exploratory data analysis (EDA), Data visualization
- Machine Learning Concepts: Supervised Learning | Unsupervised Learning | LLMs

WORK EXPERIENCE

Applied Research Engineer
SayvAI, Coimbatore

September 2023 - Present

PROJECTS

OwnGPT

- Had hands-on experience developing OwnGPT, a Python-based application that utilizes LangChain and Pinecone technologies. This innovative system efficiently handles queries by dividing the documents into chunks and embedding into a vector database.
- Using a scoring threshold of 0.5, the application retrieves relevant document chunks and feeds into Language Models (LLMs) for precise answers.
- OwnGPT helped increase my proficiency in building an information retrieval system that extracts insights from the knowledge base.

Downtime prediction in IT

- Designed an IT downtime prediction application using Logistic Regression and Python. My model achieved 97.43% accuracy after 100 epochs of training by analyzing temperature and error count.
- The user-friendly UI, powered by Gradio, enhances accessibility. My tech stack includes Python, Sklearn, and Pickle, demonstrating expertise in data manipulation and model serialization.
- This project highlights my proficiency in predictive modeling, data cleaning, exploratory data analysis (EDA) and data visualization.

Supplier Info

- Developed "Supplier Info," a comprehensive web application for inventory management. This end-to-end solution includes user authentication, seamless management of items and suppliers through an intuitive frontend with 4 tabs.
- Backed by Flask and an SQLite database, the application ensures efficient data handling. Notably, the app automatically links items with accurate suppliers and rates, enhancing user convenience.
- Leveraging HTML, CSS, and Bootstrap for the frontend, "[Supplier Info](#)" demonstrates my proficiency in web development, database management, and user-centered design.

ACHIEVEMENTS

- Earned a [5-star Gold level badge](#) for python in HackerRank with 555 points
- In total, Solved around 120+ problems in [HackerRank](#), [Codeforces](#) and [LeetCode](#).
- Earned an [AWS-Introduction to Cloud](#) digital badge with 80%

LANGUAGES

- English
- Tamil