

SAMUEL JOSHUA

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EDUCATION

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Bachelor of Engineering (ICEAS)

Major in Artificial Intelligence and Machine Learning

Cumulative GPA: 7.0/10

Relevant Coursework: Python, Deep Learning, Django, ML Algorithms, Artificial Intelligence

KARNATAKA, INDIA

Expected March 2025

WORK EXPERIENCE

ES MAGICO AI STUDIO

Software Developer Intern

Hybrid, Bangalore

Sep 2024 – Currently working

- Worked on developing RAG chatbots based on Vehicle manuals and Banking documents which provide ease of access to information.
- Worked on Graph database (Neo4j) for storing chunks of related test data for RAG applications (semantic chunking).
- Played a part in uploading video into azure storage in development of an AI interviewer.
- Got more familiarity with working on Django framework.
- Learnt how Git and GitHub works for huge collaborative projects.

UNIFIED MENTOR

Machine Learning Intern

Remote, Bangalore

Jun 2024 – Sep 2024

- Worked on projects using various Machine Learning algorithms and gained a deep insight about ML algorithms work.
- Worked on projects like Thyroid cancer reoccurrence detection, Fraud Transaction Detection using Transaction details and Vehicle price Prediction.

KARUNADU TECHNOLOGIES PRIVATE LIMITED

Internship on Python and Machine Learning (2 months)

On site, Bangalore

Oct 2022 and Nov 2023

- Knowledge training Internship provided by the college during 1st and 2nd year of college which introduced me to the technologies used in production in the field of Python, Data Science, Data Analysis and Machine Learning.
- Introduced to technologies such as Django framework, Python backend, DBMS, Power BI and Machine Learning Algorithms. Worked on a Machine learning project of Galactic astral object identification using Decision Trees on Django framework.

PROJECTS

RAG CHATBOT BASED ON VEHICLE MANUALS AND BANKING DOCUMENTS

Oct 2024

- Manuals of Bajaj manufactured motorcycles are split into chunks and vector embeddings for the text are created and stored in a graph database inside chunk nodes.
- A vector similarity search is done with respect to the query to retrieve relevant information and llm gives feasible output.

MACHINE LERNING PROJECTS

Sep 2024

- Vehicle Price Prediction
- Fraud Transaction Detection using Transaction details
- Thyroid cancer reoccurrence prediction
- Prediction of which class of stellar the object identified belongs to.

HAND GESTURE-CONTROLLED STOCK MARKET ANALYSIS PAGE

Jul 2024

- Traditional methods of interacting with these charts, such as using a mouse and keyboard, can be cumbersome and time-consuming. To address this issue, we have developed a system that utilizes hand gestures to navigate through the analysis page. By leveraging computer vision, automation, and machine learning technologies.
- Used pre trained model of media pipe, accessed the controls of screen using pyautogui and extracted data from yfinance.

AMAZON FRESH SHOPPING

Apr 2024

- Overall the “Amazon Fresh” Database project represents a comprehensive solution for business taking the orders from the customer and it will take the details of customer name , phone number , address , order name , date , quantity , amount , and finally payment mode. This database system helps businesses of all sizes operating in the retail sector.

ADDITIONAL

Technical Skills: Python, ML, AI, Django, SQL, CypherQL, Data Science, Java, C.

Languages: Fluent in English, Tamil Conversational Proficiency in Hindi and Kannada.