

# SAMUEL JOSHUA

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## EDUCATION

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### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

KARNATAKA, INDIA

Bachelor of Engineering (ICEAS)

Expected May 2025

Major in Artificial Intelligence and Machine Learning

Cumulative GPA: 7.4/10

Relevant Coursework: Python, Artificial Intelligence, Deep Learning, Django, Machine Learning.

## WORK EXPERIENCE

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### ES MAGICO AI STUDIO

Hybrid, Bangalore

Artificial Intelligence Intern

Feb 2025 – Currently working

- Worked on developing multiple POCs for cheating detection during online Interviews with the help of Pre-Trained vision ML models and multimodal LLMs.
- Implemented OAuth flow for Google and LinkedIn login into an application.
- Implemented Celery tasks to avoid blocking of API calls.

Software Developer Intern

Sep 2024 – Dec 2024

- 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 multipart upload of video of interview into azure storage during 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

Remote, Bangalore

Machine Learning Intern

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

On site, Bangalore

Internship on Python and Machine Learning (2 months)

Oct 2023 and Nov 2023

- Knowledge training Internship provided by the college during 1<sup>st</sup> and 2<sup>nd</sup> year of college which introduced me to the technologies used in production in the field of Python, Data Science, Data Analysis, 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

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### PRIVIFY AI

Feb 2025

- Manuals of Bajaj Final year project based on a reliable Privacy focused Facial Recognition system using facenet for users whose complex relationships are handled using Graph database.

### 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.

### MACHINE LERNING PROJECTS

Sep 2024

- Vehicle Price Prediction
- Fraud Transaction Detection using Transaction details
- Thyroid cancer reoccurrence prediction

### HAND GESTURE-CONTROLLED STOCK MARKET ANALYSIS PAGE

Jul 2024

- Developed a system that utilizes hand gestures to navigate through the analysis page using pyautogui, computer vision model and tableau for extracted data from yfinance.

## ADDITIONAL

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

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