

Shawneil Rodrigues

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EDUCATION

SVKM's Dwarkadas J. Sanghvi College of Engineering

Bachelor of Technology in Information Technology; CGPA: 8.58

Mumbai, India

May 2026

Career Launcher Jr College

HSC, Percentage: 85.17%

Mumbai, Maharashtra

May 2022

Notre Dame School

CBSE, Percentage: 89%

Vasai, Maharashtra

May 2020

EXPERIENCE

AI Engineer Intern

Nov 2024 – Present

Amber Flux

Remote

- Developed expertise in Microsoft Azure Virtual Machines, fine-tuning LLMs, and building Retrieval-Augmented Generation (RAG) systems to enhance data retrieval and contextual accuracy.
- Architected data pipelines, curated datasets, developed API functions for LLM integration and ensuring scalability to handle large volumes of data for machine learning models at production level
- Conducted research on Agentic AI, exploring its potential applications and implications.
- Presented demos to overseas clients. Developed strong time management skills by balancing academic commitments with internship responsibilities, while maintaining detailed documentation of code and methodologies for future collaboration.

PROJECTS

vchat.io | Multimodal RAG, LanceDB, Microsoft Bridge Tower, LLaVA2, LVLM

Nov 2024

- Developed an video platform where users can ask vision LLMs questions about video content in real-time.
- Utilized a multimodal Retrieval-Augmented Generation (RAG) architecture with LanceDB as the vector database.
- Integrated Microsoft Bridge Tower for vision-language alignment and LLaVA2 LVLM for content understanding.

Text.io | Python, Transformers, AWS, Docker

May 2024

- Developed a text summarizer using transformers and deployed via AWS EC2 and Docker.
- Configured CI/CD pipelines with GitHub Actions for seamless deployment.

Movie Recommendation System | Python, Scikit-Learn, Pandas, Streamlit, Heroku

Jan 2024

- Developed a movie recommendation system using collaborative and content-based filtering techniques.
- Designed an interactive Streamlit web application for user-friendly, real-time recommendations.
- Deployed the application on Heroku for seamless accessibility and scalability.

Agentic Finance Application | Python, Flask, Machine Learning

Nov 2024

- Developed multi-agent system with llama-3.1-70b-versatile for real-time financial analysis and web data retrieval.
- Integrated DuckDuckGo and YFinance to fetch stock data and news, displaying results in structured tables
- Automated financial insights and decision-making by designing agents for efficient analysis and actionable outputs.

EXTRACURRICULAR ACTIVITIES

Winner in Datathon 3.0 Hackathon by NMIMS chapter of Analytika(500+participants)

Participated in the Genius World Record Generative AI Hackathon.

Showcased skills in Data Hack powered by DJS4DS.

TECHNICAL SKILLS

Languages: Python,Java,c++, Dart, SQL

Frameworks/Tools: TensorFlow, PyTorch, Scikit-Learn, Keras,Langchain,OpenCV,Azure,AWS,Multi-Modal Rag,Git, GitHub,Docker

Frontend: Flutter, Streamlit, HTML/CSS

Backend Development:Firebase, MySQL,Flask ,FastAPI