

Shawn Callistus

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EDUCATION

Shiv Nadar University <i>Bachelor of Technology in Artificial Intelligence and Data Science</i>	2025 CGPA: 9.0
St. Michaels Academy <i>12th Grade, TNBHSE</i>	2021 Percentage: 96.10

EXPERIENCE

DataZymes Pvt Ltd <i>Data Engineer Associate</i> <ul style="list-style-type: none">Trained on AWS servicesBuilt a data warehousing framework for landing, integration, dimension stages using PySpark and SnowflakeRedesigned and deployed an ETL news processing pipeline on Google Cloud with web scraping, LLM-based classification, and clusteringImplemented an LLM-powered web scraper reducing manual workload by 90% along with a Knowledge Graph RAG pipeline using LangChain and Neo4j.	Jan 2025 – June 2025 Bangalore
HCL Technologies Ltd <i>AI Intern</i> <ul style="list-style-type: none">Developed a prototype for product defect detection system using OpenCV for automated fault identification.Worked with Depth-based Stable Diffusion models to build Img2Img Pipeline	June 2024 – Aug 2024 Chennai
Phaidelta LLP <i>AI and Software Developer Intern</i> <ul style="list-style-type: none">Built a RAG-based document Q&A chatbot using LangChain, OpenAI with semantic search over vector embeddings.Implemented a WebSocket-based notification service using FastAPI with SQLite for real-time notification storage and management.	Apr 2024 – June 2024 Remote

PROJECTS

Perceptual Image Stylization Framework <i>GAN, CV, React, Flask</i> <ul style="list-style-type: none">Implemented unpaired image style transfer using CycleGAN and applied OpenCV for effects like pencil sketchingUI for style selection and image upload built with React and Flask	Github
Image Captioning System <i>CNN, NLP, LSTM, React, FastAPI</i> <ul style="list-style-type: none">Text generation model which generates descriptive captions for images using deep learning techniquesDeveloped front-end with React and back-end API with FastAPI	Github
Movie Recommendation System <i>Flask, NLP, SQL</i> <ul style="list-style-type: none">Developed a content-based recommendation engine leveraging genre and story similarity to suggest relevant movies.Implemented user authentication with login and registration forms that validate credentials against a SQL database using Flask.	Github

TECHNICAL SKILLS

Languages: Python, Java, SQL, PL/SQL
Web Technologies: React, FastAPI, Flask, HTML, CSS, JavaScript
Tools & Platforms: AWS, Google Cloud Platform, Snowflake, SQLite
Libraries: PySpark, OpenCV, Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, LangChain

CERTIFICATIONS

NPTEL: Blockchain and Its Applications, Social Network Analysis, Strategic Management