

EDUCATION

• Bachelor of Technology in Computer Science	2022 – 2026
Vellore Institute of Technology, Chennai	CGPA: 9.05
• Grade XII	2021 – 2022
Srimathi Sundaravalli Memorial School, CBSE	Percentage: 94.6%
• Grade X	2019 – 2020
Srimathi Sundaravalli Memorial School, CBSE	Percentage: 90.6%

EXPERIENCE

• Technology Intern	Jun 2025 – Present
Virtusa Consulting Services Pvt. Ltd., DLF Chennai	
– Exploring GenAI through guided mentorship, working on small-scale projects involving Retrieval-Augmented Generation pipelines and agentic systems.	
– Researching enterprise-scale infrastructure tools including OpenShift, Splunk, and Redis for observability, caching, vector-based retrieval, and various evaluation metrics for RAG models.	
– Engaging in real-world deployment scenarios and system workflows within a production environment.	

PERSONAL PROJECTS

• Multi-AI RAG Assistant	
Conversational assistant that intelligently routes queries between Wikipedia and custom knowledge base using LangGraph.	
– Built a multi-agent RAG system using LangGraph with dynamic query routing between Wikipedia and a custom vector store powered by Astra DB and HuggingFace embeddings.	
– Developed a Streamlit-based chat assistant using Groq-hosted LLaMA-3 and tiktoken chunking to deliver real-time, context-aware answers.	
• SmartShop: Automated Price Finder	
Chrome extension and backend for automated product price comparison across major e-commerce platforms.	
– Designed and deployed UiPath bots to scrape real-time product prices and details from Amazon and Flipkart.	
– Developed a Flask backend to handle user queries, manage product data, and return accurate price comparisons.	
• PathFinder: Navigation System Using Parallel Algorithms	
Optimized route planning system for autonomous navigation using parallelized pathfinding algorithms.	
– Implemented parallelized Dijkstra’s, A*, and Bellman-Ford algorithms to optimize multi-path route computations.	
– Developed an interactive UI using Flask and OpenStreetMap for real-time route visualization and dynamic obstacle handling.	
• EventEase: College Event Management Platform	
Full-stack platform for managing technical and non-technical college events with role-based access.	
– Designed and deployed FastAPI backend with JWT-based authentication and SQLite database.	
– Created responsive frontend using HTML, Tailwind CSS, and vanilla JavaScript for easy event registration and management.	

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, HTML, CSS
Frameworks & Libraries: FastAPI, Flask, LangChain, TensorFlow, Pytorch, Streamlit, NumPy, Pandas, Scikit-learn
Tools & Platforms: Git, GitHub, VS Code, UiPath
Databases: Astra DB (Cassandra), SQLite, MySQL, MongoDB
Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Object-Oriented Programming

CERTIFICATIONS AND ACHIEVEMENTS

Generative AI with LangChain & HuggingFace (Udemy) – Completed hands-on course covering RAG pipelines, LangChain agents and building GenAI workflows with external data sources.	Jun 2025
Machine Learning A-Z: AI, Python & R (Udemy) – Completed in-depth ML course, proficiency in supervised/unsupervised models, NLP, and basic deep learning.	Feb 2025
Azure AI-900 Certificate – Fundamentals of AI workloads and cloud-based AI services on Microsoft Azure.	Nov 2024
Published Research Paper – IEEE Xplore: "Comparative Analysis of Firmware Security: A Proactive Paradigm for Enhancing Efficiency and Adaptability through Anomaly Detection" presented at ICRTAC.	Dec 2023