

SAJITH J

Coimbatore, India | +91 8637440071 | jsajith76@gmail.com | [GITHUB](#) | [LinkedIn](#)

EXECUTIVE SUMMARY

Motivated and enthusiastic Data Science student with a solid foundation in Machine Learning and Generative AI. Eager to apply academic knowledge in real-world scenarios and contribute to impactful projects. Passionate about using technology to develop innovative solutions and continuously enhance problem-solving skills while staying updated with the latest trends in AI and Data Science.

EDUCATION

B.Tech - Artificial Intelligence and Data Science

Sri Shakthi Institue Of Engineering and Technology CGPA - 8.4

HSC

Vivek Vidyalaya Matric Hr.Sec.School 86 %

EXPERIENCE

Microsoft x Edunet Foundation – AICTE Virtual Internship

AI/ML Intern (Learning Program) | Jun 2025 – Jul 2025

- Completed a 4-week industry-oriented internship focused on AI/ML fundamentals, cloud computing, and real-world project applications.
- Gained hands-on exposure to machine learning workflows, model building, and deployment practices using Microsoft tools and frameworks.
- Certified jointly by Microsoft, Edunet Foundation, and AICTE, validating technical skills and project-based learning.

FEATURE PROJECTS

VerseVault – AI Powered Library

- Developed an AI-powered Smart Library with semantic search, personalized recommendations, and spam/fake review detection.
- Integrated face recognition, offline voice search, and interactive analytics dashboards for users and admins.
- Designed an ML-powered retrieval system (RAG) for contextual search and recommendation accuracy.
- Tech Stack: Django, RAG, ARC Face, HTML, CSS, JavaScript

Cipher Chase – Programming Game

- Built a website-based coding puzzle game with progressive difficulty levels and real-time code validation.
- Implemented a responsive UI using Tailwind CSS for cross-device playability.
- Showcased a complete full-stack implementation for event participation.
- Tech Stack: Django, Python, JavaScript, HTML, Tailwind CSS, Unity

MythSnare – Misinformation Detection System

- Designed a system to detect false/misleading content using BERT, Grok, and LLaMA 3.2 models.
- Automated data collection via web scraping pipelines for training and evaluation.
- Applied RAG-based NLP pipeline to enhance misinformation classification and reduce false positives.
- Tech Stack: Python, Django, HTML, CSS, JavaScript, RAG, BERT, Grok, LLaMA 3.2

FlexiEV – AI-Driven EV Management Platform

- A full-stack and AI-powered platform integrating EV telemetry, predictive analytics, and intelligent user interaction for end-to-end EV lifecycle management.
- Implemented ML models including Linear Regression for State of Health (SoH) estimation and GRU networks for predicting battery Remaining Useful Life (RUL).
- Developed analytics dashboards to visualize EV performance, battery ageing patterns, and charging station insights.
- Built a conversational chatbot using RAG pipelines with Gemini & OpenAI APIs, enabling users to query EV data with custom prompting on LLMs.
- Tech Stack: Python, TensorFlow, PyTorch, Django, RAG, OpenAI API, Gemini API, React, MongoDB

SKILLS

Programming Languages: C, Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn)

Web & Frameworks: HTML, CSS, Django, Flask

Databases & Tools: MongoDB, ChromaDB, Git, Excel, Linux

AI/ML Expertise: Machine Learning, Deep Learning, Large Language Models (LLMs), Data Analytics, NLP

Soft Skills: Problem Solving, Team Collaboration, Adaptability, Critical Thinking

Languages (Spoken & Written): Tamil (Fluent), English (Fluent), Deutsch A1 (Beginner)

Achievements & Activities

Hackathons:

- Top 10 finalist at Ministry of Coal National Hackathon 2025 among 300+ teams.
- Runner-up at MobilityX 2.0 (250+ participants) and secured 1st place in Software Track.

Certifications:

- Advanced Python Programming, Big Data 101, Introduction to Data Science, SQL, Microsoft PowerPoint, Design Thinking Workshop, Intel Unnati – Get Started with Generative AI.

Leadership & Events:

- Organized and conducted a Technical Event at KALAM 2k25.
- Active member of Rotaract – Big Bang 2025.
- Participated in an OutBound Learning Workshop for team collaboration and leadership skills.