

SAI ABBHIRAM VALUPADASU

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PROFESSIONAL SUMMARY

Computer Science graduate with strong skills in **Python, Generative AI, and Web Development**, seeking the role of **Gen AI Developer (Fresher)** at TFG. Hands-on experience in **LLM integration, RAG pipelines, and n8n workflow automation**, with projects spanning AI chat agents, semantic search, and recommendation systems. Enthusiastic about building AI-driven applications across domains.

EDUCATION

Vignana Bharathi Institute of Technology

- B.Tech in Computer Science & Engineering (Business Systems) | GPA: 7.8

Hyderabad

2021 – 2024

Central Institute of Tool Design

- Diploma in Automation & Robotics Engineering | GPA: 7.7

Hyderabad

2019-2021

SKILLS SUMMARY

Programming:	Python, C, Java, SQL, JavaScript
AI/ML Frameworks:	scikit-learn, TensorFlow, Keras, PyTorch, Transformers
Generative AI & NLP:	LangChain, HuggingFace, OpenAI API, Ollama, Gemini
Data Science:	Pandas, NumPy, Matplotlib, Seaborn
Databases:	PostgreSQL, MongoDB, SQLite
Automation & Agents:	n8n, RAG pipelines, Chat AI Agents, API Integrations
Web Development:	React.js, Next.js, Node.js, Express.js, HTML, CSS, Tailwind
Tools & Platforms:	Git, GitHub, Docker, Streamlit, Jupyter Notebook, VS Code

PROJECTS

n8n AI Chat Agent	2025
<ul style="list-style-type: none">Built an AI Chat Agent using n8n with pluggable LLMs (Ollama/OpenAI).Implemented Postgres-backed chat memory and RAG pipelines for contextual responses.Integrated web search and external tools for live information and actions.Delivered a production-ready orchestration workflow with logging, retries, and memory management.	
LibraMindAI LINK	2025
<ul style="list-style-type: none">Developed semantic book search and classification using ChromaDB and LangChain.Integrated Ollama, OpenAI, and HuggingFace embeddings for flexible model support.Processed and visualized a 6M+ book dataset for insights and discovery.	
Cartlytics – Market Basket Analysis LINK	2023
<ul style="list-style-type: none">Applied FP-Growth algorithm to extract association rules and identify purchase patterns.Built an interactive Streamlit app with real-time visualization of metrics.	
FashionX – Fashion Recommender System LINK	2023
<ul style="list-style-type: none">Built a fashion recommendation engine using ResNet50 embeddings.Deployed as a Dockerized Streamlit app with similarity search via Nearest Neighbors.	

CERTIFICATIONS

AWS Academy Cloud Foundations & Machine Learning Foundations AWS CERTIFICATE	2022
Machine Learning, NLP & Python Infosys Springboard CERTIFICATE	2023
Salesforce Admin & Developer Virtual Internship SmartBridge CERTIFICATE	2024
Cyber Security 101 TryHackMe CERTIFICATE	2025

STRENGTHS

- Strong foundation in Generative AI, RAG pipelines, and prompt engineering.
- Hands-on experience with AI workflow orchestration using n8n.
- Adaptable to new frameworks, fast learner, research-driven problem solver.
- Experienced in Agile teamwork and delivering AI-backed solutions.