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EDUCATION

B.Tech in Artificial Intelligence — Vidya Jyothi Institute of Technology, Hyderabad
CGPA: 8.59

2022 – 2026

WORK EXPERIENCE

AI & Automations Intern — Tericsoft Technology Solutions, Hyderabad

Feb 2026 – July 2026

- Engaged as an **AI & Automations Intern** within **Tericsoft's engineering team**, developing **automation workflows and intelligent agent systems** for internal operations and client-facing products.
- Built and deployed **agentic pipelines integrating LLMs, voice AI, and data platforms** across multiple production projects under **Tericsoft's engineering umbrella**.
- Built an **engineering-data chatbot** used by the **CTO** for team insights, and an **n8n pipeline** automating competitor research and SEO blog generation.
- Trusted with ownership of **internal AI tooling initiatives**, working directly with engineering and operations stakeholders to identify, design, and **deploy automation solutions** used across teams.

PROJECTS

AI-Powered Engineering Team Analytics Platform

Internship · Tericsoft

- Built an **LLM Wiki-powered AI assistant** for the **CTO** that consolidated engineering knowledge from GitHub, Jira, Keka HR, WhatsApp, and 35 BigQuery tables into a structured, searchable knowledge base for project- and employee-level insights.
- Re-architected the solution from a four-model agentic RAG pipeline to an **LLM Wiki** indexing approach, reducing AI inference costs and cutting response times from **15–20 seconds to 2–3 seconds** while maintaining accurate retrieval across enterprise data.

Autonomous SEO Blog Research & Content Writing Pipeline

Internship · Tericsoft

- Independently built** and shipped an **autonomous SEO content pipeline** in n8n actively used in production at Tericsoft.
- Workflow handles **live competitor scraping** (using DataForSEO API), **multi-model AI writing** (LLaMA 3.1 8B, GPT-4.1 mini, GPT-4.1), and creates a publishable blog for tericsoft.com — reducing a **multi-hour manual process** to a **few minutes**.

AI Voice Agents — Appointment Booking & Outbound Follow-Ups

ElevenLabs · Make.com · Cal.com

- Built a conversational booking agent that checks live Cal.com availability, collects and verbally confirms patient details, and books appointments with no clinic staff involved.
- Built a dealership follow-up agent triggered by new Google Sheets rows, placing personalised outbound calls that run a structured 3-question satisfaction survey.
- Auto-logged every call transcript, AI-generated summary, duration, and recording URL back to Google Sheets for review.

Thyroid Cancer Detection — Bilinear CNN

Published Research Paper - ICICC-2025, Springer LNNS

- Built a system for Thyroid cancer detection - Dual VGG16 bilinear CNN** for TIRADS-based ultrasound nodule classification; XML-based ROI extraction and augmentation. **Published in Springer LNNS (ISSN 2367-3389).**

Colour-Based Object Sorting Robotic Arm

Arduino · Hardware

- Built an Arduino Uno system** using TCS3200 colour sensor, servo motors, and electromagnet for fully autonomous real-time colour detection and pick-and-place sorting — **no manual input required once calibrated.**

Racing Simulator for Gaming Console

Hardware · DIY

- Built a custom racing sim peripheral** on a repurposed gaming controller motherboard — handcrafted steering wheel with paddle shifters and potentiometer-based throttle/brake/clutch pedals; **plug-and-play with any console or PC.**

SKILLS

Languages & Frameworks: Python, Java, C, SQL, FastAPI, Streamlit, REST APIs, Git

Generative AI & LLMs: LangChain, LLM APIs (OpenAI, Google Gemini, Anthropic Claude), RAG, Chatbots, LightRAG, Prompt Engineering, Function Calling, FAISS, SentenceTransformers

Machine Learning: Scikit-learn, Supervised & Unsupervised Learning, Classification, Regression, Feature Engineering, Data Preprocessing, Model Training & Evaluation, Hyperparameter Tuning, Cross-Validation

Deep Learning : PyTorch, TensorFlow, Keras, OpenCV, CNNs, Transfer Learning, Image Classification, Data Augmentation

Agentic AI & Automation: n8n, Make.com, Agentic Workflows, Multi-Agent Systems, MCPs, ElevenLabs Voice AI, Twilio, Webhooks, Claude Code, Cursor

Data & Cloud: MySQL, Google BigQuery, Vector Databases, Pandas, NumPy, Power BI, AWS

CERTIFICATIONS

- Acquired certifications in **Programming Essentials in Python** and **Programming Essentials in C** from **Cisco Networking Academy**, building strong foundations in programming concepts, data structures, memory management, and modular program design.
- Earned certifications in **AWS Academy GenAI Foundations & AWS Academy Machine Learning Foundations** and developing knowledge of **Generative AI and core Machine Learning algorithms.**
- Anthropic Academy:** Completed the full course catalog (Claude API, Model Context Protocol, Claude Code, Agent Skills, AI Fluency).