

HARIHARASUDHAN M

Coimbatore, Tamil Nadu - +91 6385225238 - github.com/Harimhs - mghariharasudhan@gmail.com
linkedin.com/in/hariharasudhan-mg

CAREER OBJECTIVE

Computer Science Engineer (2025) with a robust foundation in Machine Learning and algorithmic design. Proficient in building end-to-end AI solutions, integrating core models with scalable application architectures. Demonstrated consistent technical excellence through government-funded projects and state-level hackathon achievements. Seeking a Machine Learning role to apply deep theoretical knowledge and practical engineering skills.

EDUCATION

PPG Institute of Technology

Bachelor of Engineering in Computer Science and Engineering

CGPA: 8.23

September 2022 - June 2025

Nanjiah Lingammal Polytechnic College

Diploma in Mechanical Engineering

Percentage: 87.4

June 2018 - June 2021

TECHNICAL SKILLS

- **Core Machine Learning:** Deep Learning (PyTorch), Scikit-learn, Mathematics, First Principles, Algorithms.
- **Generative AI:** LLM Fine-tuning, Transformers, Vector DB, Embeddings, Tokenization, Hugging Face Ecosystem.
- **Programming Languages:** Java, Python, JavaScript.
- **MLOps and Cloud:** MLOps Fundamentals, Google Cloud Platform, Docker, Git, GitHub, Postman.
- **Web Frameworks:** HTML, CSS, ReactJS, Django, Spring Boot, Spring Security, JDBC; MySQL.

WORK EXPERIENCE

Developer Intern - Guvi Geeks Network

July 2024 - October 2024

- Built a full-stack app (Java, Webpack, MySQL, MongoDB, Redis) and improved backend efficiency by resolving integration bottlenecks.

AI Support Engineer - Gao Tek RFID

February 2024 - May 2024

- Automated documentation workflows with AI tools, reducing manual effort in WordPress content management.

SAP ERP Apprentice - L&T Electrical & Automation

August 2021 - August 2022

- Managed stock creation, production tracking, and process navigation using SAP ERP in a manufacturing setup.

PROJECTS

PROD IQ - LLM Fine tuning, Machine Learning, RAG, MCP, Vector DB, SQL, MLOps, AirFlow [GitHub](#)

- Evaluates startup ideas pre-launch to predict revenue, break-even, and survival timelines.
- Fine-tuned a Llama-3 agent orchestrating 5 ML models with MCP, SQL/vector DB-backed RAG, Airflow for MLOps.

Trend Pulse - Sentiment Analysis, Flask, Python, Cloudinary, Render [GitHub](#)

- Engineered an end-to-end data analysis system demonstrating proficiency in sentiment analysis, visualization.
- Showcased system design by managing API integration, cloud-based storage.

EIDA Gamified Learning Platform - React, MongoDB, TensorFlow, YOLO, CV, STT [GitHub](#)

- AI-powered educational platform for kids with interactive games, object recognition, and voice/text AI chat.
- Tailored features for different age groups, including quizzes, multimedia library, and engagement tracking.

CERTIFICATIONS

- AWS Machine Learning Foundations [Link](#)
- Essential Google Cloud Training by LinkedIn and Pearson [Link](#)
- IBM Python for data science. [Link](#)

KEY ACHIEVEMENTS

- **Best Outgoing Student 2025:** College-wide award for top academic, achievement, and leadership.
- **TNSCST Scheme:** Twice selected statewide under the government; awarded 10K funding for each AI project.
- **NM-AU-TNCPL Hackathon:** Top 20 out of 49,000 teams and 478 colleges; awarded a paid internship.
- **NGI-TBI Hackathon:** 1st place among 100 teams; won 10,000 cash prize.