

# HARIHARASUDHAN M

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## 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

<b>PPG Institute of Technology</b> <i>Bachelor of Engineering in Computer Science and Engineering</i>	<b>CGPA: 8.23</b> <i>September 2022 - June 2025</i>
<b>Nanjiah Lingammal Polytechnic College</b> <i>Diploma in Mechanical Engineering</i>	<b>Percentage: 87.4</b> <i>June 2018 – June 2021</i>

## 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

<b>Developer Intern - Guvi Geeks Network</b>	<b>July 2024 - October 2024</b>
• Built a full-stack app (Java, Webpack, MySQL, MongoDB, Redis) and improved backend efficiency by resolving integration bottlenecks.	
<b>AI Support Engineer - Gao Tek RFID</b>	<b>February 2024 - May 2024</b>
• Automated documentation workflows with AI tools, reducing manual effort in WordPress content management.	
<b>SAP ERP Apprentice - L&amp;T Electrical &amp; Automation</b>	<b>August 2021 - August 2022</b>
• Managed stock creation, production tracking, and process navigation using SAP ERP in a manufacturing setup.	

## PROJECTS

<b>PROD IQ - LLM Fine tuning, Machine Learning, RAG, MCP, Vector DB, SQL, MLOps, AirFlow</b> <a href="#">GitHub</a>	
• 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.	
<b>Trend Pulse - Sentiment Analysis, Flask, Python, Cloudinary, Render</b> <a href="#">GitHub</a>	
• Engineered an end-to-end data analysis system demonstrating proficiency in sentiment analysis, visualization.	
• Showcased system design by managing API integration, cloud-based storage.	
<b>EIDA Gamified Learning Platform - React, MongoDB, TensorFlow, YOLO, CV, STT</b> <a href="#">GitHub</a>	
• 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.