HARIHARASUTHAN S

AI & ML ENGINEER

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LinkedIn: https://www.linkedin.com/in/hariharasuthan-s-313942251

Portfolio: https://hari7383.github.io/portfolio/

GitHub: https://github.com/hari7383

PROFILE

AI/ML Engineer experienced in deploying end-to-end deep learning systems, specializing in Pix2Pix GAN pipelines, RAG architectures, and industrial defect detection. Skilled in Python, PyTorch, TensorFlow, and LLM fine-tuning. Delivered 40% faster CAD re-texturing workflows and built scalable ML pipelines for real-world use cases. Open to global relocation.

EXPERIENCE

- **Adela Software and Services Pvt. Ltd.**

  AI/ML Engineer — September 2025 – Present

  - Contributed to RAG model development. - Built ML models with multiple ML/DL algorithms.

    - Tech stack: Python, TensorFlow, Pythorch, GANs, Machine Learning, Deep Learning, Rag.

- **Nilatech Robotics and Automation Pvt. Ltd.**

  AI/ML Engineer — September 2024 – August 2025

  - Built Pix2Pix GAN-based CAD re-texturing pipeline → delivering ~40% faster processing. - Developed ML workflow for brake-defect visual detection. - Designed scalable data → training → deployment ML lifecycle.

    - Tools: Python, TensorFlow, PyTorch, GANs, Computer Vision, Deep Learning .

EDUCATION CREDENTIAL

- **Bachelor of Technology — Computer Science and Business Systems**

  K. Ramakrishnan College of Engineering - - Sep 2021 – May 2025

  Graduated with First Class

SKILLS

Languages & Tools: Python, C, SQL , Vscode, Jupyter Notebook, Google Colab

Frameworks: TensorFlow, PyTorch, GANs, LLMs, RAG, Unsloth

Core Competencies: Deep Learning, Machine Learning, NLP, Image Processing, Audio Diarization, Generative AI, Fine-tuning, OOPs

Software & Libraries: GitHub, APIs, OpenCV, NumPy, Pandas, Spacy, Scikit-Learn, Seaborn, Matplotlib, Plotly, PyAnnote

PROJECTS

- **AI-Powered Audio Diarization**

GitHub: https://github.com/Hari7383/Pyannote-Segmentation-3.1

- Developed a diarization model with PyAnnote for real-time speaker identification
    - Tuned model to improve speaker segmentation and transcription accuracy

- **Neomat – Disaster Headcount System**

GitHub: https://github.com/Hari7383/Main-Project

- Built a human-counting system using computer vision for disaster management
    - Ensured accurate detection of individuals for safety and resource management

- **R2+1D Model FineTune**

GitHub: https://github.com/Hari7383/Cashlifting_R-2-1-D

- This project focuses on real-time fraud detection using R2+1D video analysis. It continuously learns from surveillance footage to identify and flag suspicious activities.

ACHIEVEMENTS

- 1st Runner-up, National Level Hackathon
- PECHackathon in International Level
- Finalist, Accenture Innovation Hackathon
- Developed project ready for patent application

CERTIFICATIONS

- IBM: Generative Artificial Intelligence
- Microsoft: Azure Fundamentals
- Coursera: Machine Learning for All
- Google: Google Cloud

Passport details:

- Passport No - AE321874
- Date of issue - 22/08/2025
- Date of Expiry - 21/08/2035