

S Harish Mrithyunjayan

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Education

M.Sc. Artificial Intelligence, Bharathiar University

2024 – 2026 | Coimbatore, India

B.Sc. Artificial Intelligence and Machine Learning,

Dr. N.G.P. Arts and Science College - 70%

2021 – 2024 | Coimbatore, India

Interests

- Artificial Intelligence
- VR & AR Technologies
- IoT Machines and Integration

Projects

Log Based Anamoly Detection, *Developed an Log Based anamoly detection system for industries to filter out and identify threats in complex machineries with the help of log based behavioural filtering.*

- Python
- Machine Learning (XGBoost)
- Mahalanobis Distance Algorithm

Web-based Music Therapy System Using Multi-Modal Emotion Recognition, *An emotion recognition system that recommends song to elavate positive mood and calm negative moods with the help of multiple modalities to improve emotional well-being through adaptive music recommendations*

- Python
- OpenCV
- Tensorflow
- Hugging Face
- Flask

Facial Recognition System with IoT integration, *Developed a real-time facial recognition system leveraging Internet of Things (IoT) technology to enhance security and automation with the help of AI.*

Languages/Tools/Techniques used:

- Python (Tensorflow lite)
- Raspberry Pi 3 Model B (Micro processor), PIR sensor, Camera Module, UltraSonic sensor.
- WinSCP
- Visual Studio Code

Personalised AI Assistant,

A personalised AI Assistant that enables smoother and ease of usage on our devices and management.

Languages/Tools/Techniques used:

- Python
- Speech Recognition, Deep Learning, NLP, GTP 3.5 Module
- Visual Studio Code

Work Experience

ANRF Intern (Cybersecurity Framework Development),

2025/12 – 2026/05 | Chennai, India

Indian Institution of Technology, Madras

- ▶ Contributed to funded AI R&D projects under the Anusandhan National Research Foundation (ANRF) initiative at one of India's premier institutions.
- ▶ Worked with research teams to design, run, and evaluate machine learning experiments on real datasets, improving model performance through iterative tuning.

Part Time Web Application Developer, Indtechsoft

2023/01 – 2023/06 | Coimbatore, India

- ▶ Built and maintained responsive full-stack web applications using Django, PostgreSQL, HTML, CSS, and JavaScript.
- ▶ Implemented backend logic, REST API endpoints, and database schema design for production applications.
- ▶ Collaborated cross-functionally to deliver feature enhancements and optimize application performance.

Skills

Python

Django, Pandas, Tensorflow,
Machine Learning, Neural
Networking

Database

MySQL, PostgreSQL, R

HTML/CSS

Participation	Certificates
International Conference on Advanced Computing (ICAC - 2026) 2026/01 Coimbatore, India	AWS Solutions Architect - Associate Level 2026
National Conference on Advance Computing Sciences 2023/03 Coimbatore, India	PC Hardware and Networking Troubleshooting 2022
National Conference on AI and IoT for Agriculture Innovation and Environmental Sustainability 2022/08 Coimbatore, India	Software Testing 2023
	Fundamentals of Artificial Intelligence 2024
Publications	
A Web-Based Music Therapy System Using Multi-Modal Emotion Recognition, <i>Presented and Published at ICAC 2026</i>	2026/01/29