

AMRITH ESHWAR T.T

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Chennai, Tamil Nadu

SUMMARY

Aspiring IT professional with a strong foundation in programming, web development, and machine learning. Passionate about building real-world solutions, contributing meaningfully to projects, and continuously evolving through hands-on experience and learning. Known for a problem-solving mindset, adaptability, and a commitment to growth in the ever-evolving tech landscape.

EDUCATION

Bachelor of Technology, Information Technology, Madras Institute Of Technology, Anna University 2022-2026
CGPA: 6.8

HSE- Vana Vani Matriculation Higher Secondary School , Tamil Nadu, India 2020-2022

SSLC- Vana Vani Matriculation Higher Secondary School, Tamil Nadu, India 2019-2020

SKILLS

Programming Languages: C, C++, Python

Database Systems: MySQL, MongoDB

Web Development: HTML, CSS, JavaScript, Node.js, Express.js, React.js

Developer Tools: Google Collab, GitHub, Microsoft Tools, Arduino IDE, Flask, TensorFlow, Socket.IO, Mongoose

WORK EXPERIENCE

AI / ML Intern - Harpy Aerospace Pvt.Ltd, India June - Aug 2024

- Developed collaborative and hybrid recommendation systems using TensorFlow Recommenders on the Movie Lens dataset.
- Implemented matrix factorization and neural network models to predict user preferences and improve recommendation accuracy.
- Optimized models using Adagrad and evaluated performance with Factorized TopK and MSE metrics.

ACADEMIC PROJECT EXPERIENCE:

HAWK EYE OPTICS – FULL-STACK ECOMMERCE PLATFORM:

[\(Link\)](#)

Tech Stack: Node.js, Express, MongoDB, Mongoose, EJS, JavaScript, HTML/CSS.

- Developed a full-stack eCommerce web app with product listings, user auth, role-based access, and order management using EJS and Express.
- Integrated MongoDB with Mongoose for secure data handling and enabled real-time cart updates via Express middleware.

REAL-TIME CHESS GAME (CHESS.COM CLONE):

[\(Link\)](#)

Tech Stack: Node.js, Express, Socket.IO, Chess.js, JavaScript, Tailwind CSS, EJS.

- Built a live multiplayer chess game with real-time move syncing, spectator mode, and full rule enforcement using chess.js.
- Designed a drag-and-drop chessboard UI with board flip logic and managed player roles via Socket.IO for real-time interaction.

BRAIN TUMOR DETECTION WEB APP:

[\(Link\)](#)

Tech Stack: Python, Flask, TensorFlow/Keras, NumPy, Pillow, HTML/CSS.

- Developed an image classification app using a trained CNN model to detect brain tumor types with real-time predictions.
- Integrated TensorFlow with Flask for image upload, preprocessing, and secure display of results through a web interface.

CERTIFICATIONS:

- Certificate of Completion for AWS Academy Cloud Foundation on 11/ 04/ 2024
- Happy Aerospace Internship – Completed on 2/ 8/ 2024
- Certificate of Participation – Data Science using python Masterclass by Scaler 15/ 7/ 2025

SOFT SKILLS: Communication, Analytical Thinking, Presentation, Emotional Intelligence, Resilient, Attention to detail.