

AMRITH ESHWAR T.T

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Chennai, Tamil Nadu

SUMMARY

Emerging IT professional with foundational experience in full-stack web development, machine learning, and data-driven application design. Proficient in developing scalable software solutions and passionate about leveraging technology to solve real-world problems.

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
Percentage: 72.83

SSLC- Vana Vani Matriculation Higher Secondary School, Tamil Nadu, India 2019-2020
Percentage: 60.6

TECHNICAL SKILLS

Programming Languages: C, C++, Python

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

Backend & Database Systems: MySQL, MongoDB, Mongoose

Tools & Platforms: Google Collab, GitHub, Microsoft Tools, Arduino IDE

DevOps & Communication: Socket.IO, REST APIs

WORK EXPERIENCE

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

- Designed and deployed scalable recommendation systems using TensorFlow Recommenders and Movie Lens dataset, improving recommendation accuracy through hybrid filtering models.
- Built and evaluated matrix factorization and neural network models with Adagrad optimizer and FactorizedTopK metrics to enhance user preference prediction.

PROJECT

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 tumour types with real-time predictions.
- Integrated TensorFlow with Flask for image upload, preprocessing, and secure display of results through a web interface.

CERTIFICATIONS

- AWS Academy Cloud Foundations – [Amazon Web Services] on 11/ 04/ 2024
- Internship in AI/ML – Harpy Aerospace Pvt. Ltd. on 2/ 8/ 2024
- Data Science using Python – Scaler Masterclass on 15/ 7/ 2025

PROFESSIONAL SKILLS

Communication, Analytical Thinking, Presentation, Emotional Intelligence, Resilient.