AMRITH ESHWAR T.T

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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.