

AMIRTHA T

Contact No: 6369311554 Portfolio: <https://amirtha-portfolio-eqvh.vercel.app/>

E-mail: amirthad1225@gmail.com Git-Hub: <https://github.com/amirthad25>

LinkedIn: <https://www.linkedin.com/in/amirtha-thennavan-b6b5962a7>

Career Objective:

Passionate and motivated B. Tech graduate specialized in Artificial Intelligence and Data Science, aspiring to kick-start my career in the IT sector. I aim to utilize my technical skills, problem-solving mindset, and strong interest in cutting-edge technologies to contribute effectively to real-world applications. Committed to continuous learning, team collaboration, and professional development to evolve into a versatile software professional.

Technical Languages & Technologies:

- Programming Languages: SQL, Python
 - Technologies & Services: Machine Learning, Deep Learning (TensorFlow, PyTorch CNN), Natural Language Processing, Data Science, Generative AI, Agentic AI
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Education:

- 10th – Kendriya Vidyalaya HVF, Avadi, Chennai (2019) – 80.8%
 - 12th – Sethu Bhaskara Matriculation Higher Secondary School (2021) – 82.5%
 - B. Tech in Artificial Intelligence & Data Science in Vel Tech University (2021-25) 8.09 CGPA
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Projects:

- **YouTube AI Comment Moderator** is an intelligent system that automatically detects and removes harassment or toxic comments using Natural Language Processing and machine learning. It ensures a safer and more respectful environment for creators and viewers.
 - **AI-Based Stress and Sleep Assistant – SereneMind** is a personalized virtual companion that monitors user behavior and emotional cues to provide tailored relaxation techniques and sleep recommendations. It leverages AI to promote mental wellness and healthier sleep patterns.
 - **Lunar Crater Detection and Diameter Estimation using YOLOv12** leverages high-resolution orbiter images to automatically identify lunar craters and estimate their sizes. This project aids in geological analysis and space exploration by enhancing crater mapping accuracy.
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IEEE Conference Paper Publication:

- Paper Title: Drone-Based Pest Control: Lite Depth wise Net Stem Borer Detection on Jetson Nano, At 8th International Conference on Computing Methodologies and Communication (ICCMC 2025)
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Internship Experience:

- **Wheels India LTD (June 2024 – July 2024)**
Hands-on experience in the R&D department, utilizing machine learning and data science for performance analysis.
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Languages:

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| • English-Proficient | • Tamil-Native |
| • Hindi-Proficient | • French (Beginner) |