MYTHILI M

FULL STACK & AI/ML DEVELOPER

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PROFILE

Full Stack Developer and AI/ML Enthusiast skilled in building scalable web applications, intelligent AI solutions, and cloud-based systems.

EDUCATION

Kongu Engineering College 2023-2027

- **CGPA:** 9.12

VVMS SCHOOL,TIRUPPUR 2020 -2023

- **HSC :** 92.66 %
- **SSLC**

SKILLS

- **Languages:** Python, C, C++, Java, JS
- **Frontend:** React.js
- **Backend:** Node.js ,Express.js
- **Databases:** MySQL, MongoDB
- **AI/ML :** TensorFlow, YOLOv8, OpenCV
- **Cloud Services:** AWS
- **Data Analysis :** Power BI

AREAS OF INTEREST

- DBMS
- Machine Learning
- Web Development

RESPONSIBLITY

- **Event Ambassador** - CIT (2025)
- **IT Association Newsletter Contributor** - 5+ publications (2023 - 2026)
- **Placement Coordinator** (2023 - 2027)

CHAPTER PUBLISHED

- Smart Hospitals in Modern Era – Book Chapter,Surgical Robots in Smart Hospitals, Wiley (2025)
  ISBN: 978-1-394-35533-4

SOFT SKILLS

- Leadership &Team Collaboration
- Problem-Solving & Communication

AI/ML Developer Intern

CubeAI Solutions, Bangalore | 3 Months

Worked on real-time CNN and YOLOv8-based computer vision projects including turmeric classification, leaf disease detection, and vehicle tracking.

ACHIEVEMENTS

- **Best Student Award** (2023–2024).
- **Top 5% Merit Scholarship**– KVIT Trust (2023–2024) & (2024-2025)
- 1st Prize – Paper Presentation on "**AI in Agriculture**", CIT (2024).
- 2nd Place – Project "**Image Embedded Caesar Cipher Encryptor and Decryptor**" , SKCET (2024).
- 3rd Place – 12 Hours Hackathon for Project - "**Medibot** :Smart AI Assistance", CIT (2025).
- Top 8 Finalist – KPR Hackathon (2025).

PROJECTS

AI-Powered Hospital Management System [Sep -Nov 2024]

- Built a hospital portal with AI chatbot and optimized database, cutting appointment time by 40% . **GIT** : SMART-HOSPITAL
- **Tech Stack**: MongoDB, Express.js, React, Node.js, JWT, REST API

MindWatch : AI Surveillance of Classroom Engagement [Jul-Sep 2025]

- Built a YOLO-based video analytics system detecting student attentiveness,distraction generating engagement reports per student.
- **Tech Stack** : Python, YOLOv8, OpenCV. **GIT** : mindwatch

AI-Based Turmeric Classification & Disease Detection [May-Jul 2025]

- Built CNN + YOLOv8 model with 91%+ accuracy for turmeric classification and disease detection using Python UI. **GIT** : TURMERIC
- **Tech Stack** :Python, TensorFlow, YOLOv8, Roboflow, OpenCV

License Plate Recognition System [Jan - Feb 2025]

- Engineered a Python-OpenCV solution achieving 92% accuracy in low-light license plate detection with real-time processing. **GIT :** Licence_Plate
- **Tech Stack** :Python, OpenCV, EasyOCR, YOLOv8

Cooking Recipe Sharing App [Aug - Sep 2025]

- Built a MERN stack recipe sharing app with JWT authentication, RESTful APIs, and responsive UI. **GIT :** cooking-recipe-sharing
- **Tech Stack:** MongoDB, Express.js, React, Node.js, JWT, REST API

CERTIFICATIONS

- AWS Cloud Practitioner Global Certification (2024)
- Oracle APEX Cloud Developer Professional (2025)