

THARUN K

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Education

SRM Institute of Science and Technology

Bachelor of Technology - CGPA: 8.25

2022-2026

Kattankulathur, Chennai

Kendriya Vidyalaya CUTN Residential Campus

Higher Secondary Education

July-2022

Thiruvarur, Tamil Nadu

Experience

Hyundai Motor India Limited

Machine Data Analytics Intern

July 2024

Sriperumbudur, Tamil Nadu (On-Site)

- Performed real-time data analytics on robot motion data from manufacturing shops (e.g., paint, welding) using MySQL and Python.
- Implemented an auto-ticketing system to generate alerts for exceeding robot parameter thresholds(temperature,power), ensuring timely issue resolution.
- Gained hands-on experience with Qlik for real-time data monitoring and decision-making in an industrial setting.

Daimler India Commercial Vehicles

Manufacturing Process Automation Intern

Dec 2024 – Jan 2025

Chennai, Tamil Nadu (On-Site)

- Automated production planning in Excel using Python, integrating formulas, applicability matrices, and day-wise schedules.
- Developed a user-friendly front-end interface using HTML and CSS to enhance accessibility.
- Worked with the Manufacturing Engineering Team to align automation with production targets.

Projects

Real Estate Property Verification System | MERN Stack, MongoDB, Express.js, React.js, Node.js

Ongoing Project

- Developed a full-stack real estate verification system using MERN stack with JWT-based authentication for buyers, sellers, agents, and admins.
- Implemented a seller dashboard for property listing with agent and admin approval, and a buyer dashboard displaying only verified properties to ensure authenticity and fraud prevention.

Lung Disease Detection Web Application | Python, Keras, TensorFlow, Flask

Sept 2024

- Developed a web app for lung disease detection using CNN on chest X-ray images. Integrated a Flask backend for real-time predictions.
- Used to assist medical professionals in diagnosing lung diseases faster and with high accuracy.

Seabed Prediction Project | Python, Keras, TensorFlow, Flask

June 2024

- Built a CNN model to classify seabed, underwater planes, and ships using image data. Applied preprocessing techniques to improve accuracy.
- Used for marine exploration and underwater surveillance to improve navigation and safety.

Technical Skills

Languages: Python, Java, C++, SQL (PostgreSQL), HTML/CSS

Frameworks & Technologies: React.js, Node.js, Flask, FastAPI, TensorFlow, Keras

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ

Database: MySQL, MongoDB, PostgreSQL

Certifications

[Oracle Certified Foundations Associate](#)

[AWS Academy Cloud Operations](#)

[Programming in Java\(NPTEL\)](#)