AJAY S

Theni   9626686942   ajayworkmaildev@gmail.com   Github   Linkedin   Hacker-rank

CERTIFICATE

- Software Engineer
- Problem Solving
- React
- CSS

SKILLS

- HTML
- CSS | Bootstrap
- Java Script
- React JS
- Mongodb
- Python
- Opencv
- Tensorflow
- Git & Github

BOOTCAMP

- IOT
- AI
- React JS
- Machine Learning
- Power BI
- Data Analyst

COMPETITIONS

- Participated in SRM Ideathon
- 36-hour Hackathon at Nadar Saraswathi College of Engineering & Technology

ABOUT ME

I am an engineering student specializing in Artificial Intelligence and Data Science, with a strong focus on frontend development and AI-driven solutions. Passionate about modern technology, I actively pursue mastery in emerging tools and frameworks, striving to stay at the forefront of innovation. My interests span across a wide range of technologies, fueling my dedication to continuous learning and building impactful, future-ready solutions.

INTERNSHIP EXPERIENCE

Hazzino Tech
Front-End Development

Contributed to front-end development of multiple web applications with a focus on responsive UI design, performance optimization, and modern frameworks. Collaborated with cross-functional teams to implement scalable and maintainable code using HTML, CSS, JavaScript, React, and version control tools like Git.

PROJECTS

Traffic Sign Recognition System - Link

This AI-powered Traffic Sign Recognition System uses a Python PyQt5 GUI and CNN-based deep learning with TensorFlow and Keras to classify 43 Indian traffic sign classes in real time. It integrates NumPy, Pillow, Scikit-learn, and Matplotlib for image preprocessing, model training, evaluation, and visualization, forming a complete Intelligent Transportation System (ITS) solution.

AI Accident Detection & Alert System - Link

Leveraging real-time video analytics, developed an AI Accident Detection & Alert System to monitor vehicle incidents. It integrates YOLOv8, optical flow, frame differencing, and speed analysis in an ensemble model for highly accurate detection. The system automatically generates email and SMS alerts with detailed accident reports. Designed a REST API for seamless integration and real-time monitoring.

EDUCATION

Nadar Saraswathi College of Engineering & Technology
Bachelor of Technology AI & DS
CGPA – 7.4 (up to 6th semester)   2022-2026