

Tarun R

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About Me

A highly skilled ML Engineer with expertise in developing, optimizing and deploying machine learning model to solve real-world problems efficiently and also experienced in building web applications using Spring Boot.

Education

- 2022-2026 Bachelor of Engineering(CSE-AI&ML), Sona College of Technology, Salem
CGPA:7.8
- 2021-2022 HSSLC Sri Vijay Vidyalaya ,Dharmapuri
Percentage:85.33%
- 2019-2020 SSLC Sri Vijay Vidyalaya ,Dharmapuri
Percentage:95.6%

Projects

- WOMEN SAFETY ANALYSIS
Role: Developer
Technologies used:Python,OpenCV,MediaPipe(Gesture Detection),Twilio(Alert Messages)
Overview :Developed a real-time threat detection system for women's safety using computer vision,the project was shortlisted for Smart India Hackathon at College level.
- SMART DUSTBIN
Role: Developer
Technologies used :Arduino UNO, Ultrasonic Sensor, Servo Motor,Embedded C
Overview:Built an IoT-enabled smart dustbin that uses ultrasonic sensors to detect waste level and automatically opens/closes the lid,optimizing cleanliness and waste management.
- EYE-CONTROLLED MOUSE
Role: Developer
Technologies used :Python,OpenCV,Dlib(facial landmark detection), PyAutoGUI
Overview:Developed an assistive system that enables hands-free computer control by tracking the eye movements and translating them into cursor actions,enhancing accessibility for individuals with motor disabilities.
- Intelligent Meeting Feedback & Quality Tracker
Role: Full Stack Developer
Technologies used :React.js,Node.js,MongoDB,Twilio,Gemini AI
Overview:Developed a smart feedback tracking system integrated with meeting scheduling.By Sharin Feedback forms links in the meet responses using sentiment analysis and interactive dashboard.Provide Real-time insights to the organization through Gemini AI.

Technologies

Languages : Java,JavaScript,SQL,Python,HTML,CSS

Technologies: Spring Boot,React.js,Node.js,MongoDB,OpenCV,Arduino,Twilio
API,MediaPipe,RESTAPI,Git,Postman

Certifications

- HACK-A-BOT – Participation Certificate
- NPTEL – Design and Implementation of Human Interface
- Machine Learning & Artificial Intelligence
- AWS Cloud Computing
- Full Stack Web Development
- StudAI-Generative AI workshop
- LLM Workshop
- Agile Scrum Methodologies

Leadership & Event Participation

- Organizer, Neural Nexious – Coordinated a college-level project presentation event focused on AI/ML Innovations.
- Winner, Spark 24 – Secured 1st Prize for project presentation.
- Participation, Quadrobay Hackathon – Received Special Prize.
- Recipient, Appreciation Award – Honored for academic and project excellence in the 3rd year.