



# TARUN R

Fresher

## About Me

A highly skilled ML Engineer with expertise in developing, optimizing, and deploying machine learning models to solve real-world problems efficiently



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## Language

- English
- Tamil

## Skills

- Python
- SQL
- HTML & CSS
- Machine Learning
- Java
- Data Structures

## Projects

### Women Safety Analysis

Women safety analysis using OpenCV leverages computer vision techniques to detect violence, recognize threats (e.g., weapons, distress postures), and enhance surveillance in real-time. It enables smart monitoring through CCTV, facial recognition, and motion detection to improve security and prevent incidents.

This project was shortlisted for college level in Smart India Hackathon

### SMART DUSTBIN

Smart Dustbin is an IoT-based waste management system that uses sensors to monitor and optimize garbage collection. It improves cleanliness by reducing overflowing bins and optimizing waste disposal.

### Eye-Controlled Mouse

An Eye-Controlled Mouse allows users to navigate and control a computer using just their eye movements, making it especially useful for people with disabilities. It utilizes computer vision to track eye motion and convert it into cursor movements.

## Education

### Sona College of Technology

Bachelor of Engineering  
BE\_CSE(AI&ML)  
2022 - 2026  
CGPA 7.8

### Sri Vijay Vidyalaya

HSSLC - Computer Science  
2021 - 2022  
Percentage :85.33%

### Sri Vijay Vidyalaya

SSLC  
2019 - 2020  
Percentage :95%

### Interpersonal skills

- Management Skills
- Creativity
- Leadership
- Communication
- Problem Solving
- Team work

### Extra - Curricular Activities

- Cricket player
- Chess player

### Certifications

- Machine Learning
- Artificial Intelligence
- Data Structures
- Python
- HACK-A-BOT Participation Certification
- Design and Implementation of Human Interface
- Generative tools Workshop