



SHIV KUMAR GUPTA

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EDUCATION

B.Tech(AI&DS) – Sri Eshwar College of Engineering CGPA : 8.17 out of 10 (upto 6 th sem)	2023-2027
SLC – Trinity International Secondary School G.P.A: 3.02 out of 4.0	2020-2022
SEE – Apex Academy English Boarding School G.P.A: 3.75 out of 4.0	2019-2020

INTERNSHIP

TEEP Research Internship Chang Gung University, Taiwan	2026
Contributed to AI-enabled robotic research by integrating software modules, testing autonomous robot functionalities, and developing Linux-based applications using Python, C++, and computer vision techniques.	
MERN Internship	2025
Built a fitness tracking system with workout logging, goal setting, and dashboard visualization	

PROJECTS

WOMEN SAFETY APP (Flutter + AI/ML)
Developed a Flutter-based mobile application with AI/ML capabilities to detect critical situations and enhance user safety. Implemented features like SOS alerts, live location tracking, fake call simulation, legal support, and in-app case reporting, ensuring real-time emergency response and user assistance.
SAFESTEP – Smart Health & Safety Device (IoT + AI)
Designed a wearable safety device integrating health monitoring and women safety features. Implemented fall detection, emergency SOS alerts, live location tracking, and heart rate monitoring, along with AI-based gait analysis for early disease detection, enabling real-time response and preventive healthcare.
AUTONOMOUS DRIVING SYSTEM (Deep Learning & ML)
Designed an autonomous robot using deep learning and machine learning for path planning and obstacle detection. Utilized computer vision techniques for real-time navigation and decision-making in dynamic environments.

ACHIEVEMENTS

Leetcode : Rating - 1880 Rank – 33,220 Profile	
Winner – National Science Day, organized by Radio Astronomy Centre(RAC)	2026
2nd Position - Hackathon conducted by Tinker’s Lab at IIT Hyderabad	2026
2nd Position- National Level Hackathon organized by Erode Sengunthar College of Engineering	2025
Project Expo 2024 winner at Sri Eshwar College of Engineering	2024
Winner - CODELEE Best Programmer Award at Sri Eshwar College of Engineering	2023

CERTIFICATIONS

Certified in Cloud Foundations	AWS	2025
Certified in Java & Data Structures	Udemy	2024
Certified in C++(Programming Essentials)	CISCO	2024

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript, PHP
Web & Frameworks: HTML, CSS, React.js, Node.js, Django, Flutter
AI / ML & Libraries: OpenCV, MATLAB, TensorFlow / PyTorch / scikit-learn
Data Visualization: Jupyter Notebook, Power BI, Tableau
Core Concepts: Data Structures & Algorithms, OOP
Databases & Cloud: MySQL, MongoDB, AWS
Tools & Platforms: GitHub, VS Code, Linux, ROS, Gazebo, SolidWorks