



SHRUTI KUMARI JAISWAL

Sri Eshwar

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EDUCATION

B.Tech(AI&DS) – Sri Eshwar College of Engineering	CGPA : 8.97 out of 10 (upto 6 th sem)	2023-2027
SLC – Trinity International Secondary School	G.P.A: 3.61 out of 4.0	2020-2022
SEE – Apex Academy English Boarding School	G.P.A: 3.85 out of 4.0	2019-2020

INTERNSHIP

TEEP Research Intern | Chang Gung University, Taiwan **2026**

Worked on AI and robotics research involving software development, Linux systems, Python, C++, and computer vision, contributing to intelligent automation and real-world research projects in an international laboratory.

MERN Internship **2025**

Designed and developed a MERN stack Fitness Tracking System that allows users to log workouts, set goals, and monitor progress through an interactive dashboard.

PROJECTS

LLM-Driven Contextual Language Translation

Developing a multilingual translation system using large language models and transformer architectures for context-aware text generation. Improving semantic consistency and sequence modeling across languages using data-driven optimization techniques

Hand Gesture Recognition System (Computer Vision + AI/ML)

Developed a real-time hand gesture recognition system using Python, OpenCV, and NumPy for image processing and contour-based hand tracking. Applied machine learning techniques for gesture classification, enabling accurate interpretation of hand movements for touchless control. Built a real-time pipeline for gesture detection and recognition, supporting applications in human-computer interaction and accessibility systems

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.

ACHIEVEMENTS

Leetcode : Rating - 1891 | Rank – 31,137 | [Profile](#)

Codechef : Rating - 1152 | Global Rank – 96,320 | [Profile](#)

Hackerrank : Hackos - 8525 | [Profile](#)

Winner – National Science Day, organized by **Radio Astronomy Centre(RAC)** **2026**

2nd Position - Hackathon conducted by Tinker's Lab at **IIT Hyderabad** **2026**

Secured **2nd place in TNWISE Hackathon** with a cash prize of **Rs.25,000**, organized by **TANCAM** **2025**

Project Expo 2024 winner at Sri Eshwar College of Engineering **2024**

CERTIFICATIONS

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

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript

Web & Frameworks: HTML, CSS, React.js, Node.js

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