DURAI ARASU

usdrduraiarasu@gmail.com | +919025276650

Linkedin | GitHub | Portfolio | HackerRank | LeetCode

Education

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY Coimbatore
Computer Science and Engineering B.E NOV 2022 - MAY 2026
CGPA: 8.0

Experience

EZIO SOLUTIONS PVT LTD | Intern Coimbatore | JAN 2024 - FEB 2024

Completed an internship at EZIO SOLUTIONS, where I gained hands-on experience in developing Python-based solutions. During the internship, I worked on a project that integrated Python with OpenCV to build a simple image recognition system. .Beyond the technical work, I also learned how to function effectively within a corporate environment. I gained experience in team collaboration, task prioritization, and communicating ideas clearly during meetings. I got a glimpse into how projects are managed from planning to delivery and learned the importance of writing clean, maintainable code that others can understand and build upon.

NCC | Cadet Coimbatore | NOV 2022 - MAR 2025

As an NCC cadet and A representative of TAMILNADU contigent in AIVSC(ALL INDIA VAYU SAINIK CAMP) made me developed strong leadership, discipline, and teamwork skills. My training has enhanced my physical fitness, problem-solving abilities, and crisis management. I have gained hands-on experience in drill exercises, weapon training, disaster management, and community service. My NCC journey has also contributed to my team coordination, public speaking, and leadership skills that are valuable in both military and corporate environments.

Skills

Programming Languages:	HTML, CSS, JAVA, C++, Python
Libraries/Frameworks:	OpenCV, JavaScript
Tools / Platforms:	VSCODE
Databases:	SQL, Firebase

Projects / Open-Source

HAND-TRACKING | Link *Python, OpenCv*

This project helps us to view the position of our hand and allows us to track it using predetermined vectors that help the program identify the fingers on our hand. It uses OpenCVs hand detection techniques to map the hand landmarks and visualize the finger movements in real-time.

By analyzing the angles and positions of the joints, the system can distinguish between different hand gestures. This project gave me a better understanding of how computer vision works and how real-time input can be processed frame by frame. It also lays the foundation for gesture-based control systems that can be used in sign language recognition, virtual controls, or AR applications.

E-Commerce Website *HTML,CSS,JavaScript*

This project is a basic e-commerce website where users can browse products, add them to their cart, and place orders. It includes all the essential pages you'd expect like a homepage, product listing, product detail page, shopping cart, and a checkout form.It also comes with a login and sign-up system, so users can create accounts and track their orders. The backend is connected to a simple database that stores user information and product details. The goal of the project was to understand how an online shopping system works from displaying products to managing the cart and handling user sessions.Even though its a simple setup, building this helped me learn a lot about combining frontend and backend work, and how real-world online stores function behind the scenes.

Personal Portfolio Creation | Link *HTML,CSS,JavaScript*

This project marks my initial exploration into JavaScript, where I combined it with HTML and CSS to build a responsive and interactive personal portfolio website. The portfolio showcases my current projects, skills, and contact information in a clean and visually appealing layout. JavaScript has been instrumental in bringing interactivity to the site from smooth scrolling .This helps me to dive into the process of improving my projects and further helps me to tutor my friends and juniors into developing their own portfolio websites.

GARDO *APP,Java*

Gardo is a tech-driven platform designed to connect farmers directly with consumers, eliminating middlemen to ensure fair pricing, fresh produce, and seamless transactions. The platform enables farmers to list their products, while consumers can browse, compare, and purchase directly. With secure payment gateways, real-time order tracking, and logistics integration, Gardo enhances efficiency in the agricultural supply chain. Its user-friendly mobile and web interface supports multiple languages, making it accessible to farmers in different regions. By promoting sustainable agriculture and reducing food wastage, Gardo empowers farmers, supports local economies, and provides consumers with high-quality, farm-fresh produce.

Sign-Language Detection *Python, OpenCv, mediapipe*

This project utilizes OpenCV to detect and interpret sign language gestures in real-time using computer vision techniques. By analyzing the shape, movement, and position of the hand captured via a webcam, the system compares these inputs with predefined gesture contours and patterns to identify the corresponding sign language characters or messages.The main objective is to create an accessible communication bridge between speech-impaired individuals and the rest of society. With further enhancement, this system can be integrated into Augmented Reality (AR) platforms, allowing seamless real-time interaction and translation through AR-enabled devices like smart glasses or mobile apps.

Honors & Awards

- Participated in the Technical Symposium conducted in the COIMBATORE INSTITUTE OF TECHNOLOGY in Coimbatore called ASTRONOVA 2k25.
- Runner Up in the Unique Manifest Programme conducted by the ROTARACT club Coimbatore and got the title as the best manager.
- Been a active member in the CSE association in KPRIET (KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY) called GENIRAL.
- Certificated on Aquiring data in NASSCOM in silver level by scoring above 65%
- Certified gold level in C programming in Hackerrank.
- Certified gold level in python programming in Hackerrank.
- Certified silver level in python programming in Hackerrank.
- Secured gold in drill in national level NCC Air force camp called AIVSC(ALL INDIA VAYU SAINIK CAMP)
- Got the most outgoing student award in the CSE department during the year 2024
- Honorarium for attending the AIVSC camp and attending State level camps.