Harshni R

📞 +91 8668106469 ✉ harshniramkumar15@gmail.com in [LinkedIn](#) ⭘ [Github](#)

Education

Panimalar Engineering College, Chennai	**2020 - 2024**
B.E in Electrical and Electronics Engineering	*9.0/10 CGPA*
The TVS School, Madurai	**2019 - 2020**
XII STD	*69%*
The TVS School, Madurai	**2017 - 2018**
X STD	*91%*

Publication

ASTHMA DETECTION IN SMARTWATCH   **February 2024**

paper pdf

· Published a research paper titled "**Smartwatch-Based Asthma Detection**" at the 6th International Conference on Intelligent Computing (ICONIC)

Projects

1. LOW COST ECG AND HEART RATE MONITORING SYSTEM   **January 2023 - March 2023**

· Devised and implemented a groundbreaking ECG monitoring solution leveraging budget-friendly equipment; achieved a 50% reduction in overall healthcare costs while enhancing patient outcomes with real-time heart rate detection

2. LICENSE PLATE AND FACE DETECTION SYSTEM   **March 2023 - July 2023**

· Engineered an innovative solution for license plate recognition (ANPR) and facial recognition (FRS) using cutting-edge computer vision algorithms, resulting in a 40% increase in accuracy and a 50% reduction in processing time for law enforcement agencies.

3. AUTONOMOUS NAVIGATION VEHICLE   **February 2024 - March 2024**

· Designed an autonomous vehicle for college campus navigation, integrating the Google Maps Directions API with a Raspberry Pi CPU, and enabling autonomous navigation through Python programming.

Technical Skills

Languages: Java, JavaScript
Backend: Django, Node.js
Frontend: React, HTML, CSS, Figma, TailwindCSS, Bootstrap
Clouds & Databases: AWS, SQL, MongoDB
Developer Tools: VS Code, GitHub, Excel

Achievement

WINNER OF KAVACH 2023   **National Level Hackathon**

· Winner of kavach 2023 Cyber Security Hackaton in the problem statement Advanced ANPR and FRS. Created intuitive applications using Flutter, integrating visually appealing designs through Figma, demonstrating a multidisciplinary approach.

Workshop/Certifications

* Participated in a two-day workshop led by Techo Bytes on Ethical Hacking with Cyber Security. Location: IIT Madaras Research Park, Chennai
* Three months value added course in **Industrial Automation** Venue: Panimalar Engineering College
* **Cloud Masterclass** - Cloud Practitioner Essentials Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government. **(Category-Gold)**
* **Digital 101** – 30 Hours Aligned to Competency Standards developed by IT-ITeS Sector Skills Council NASSCOM in collaboration with Industry and approved by Government. **(Category-Gold)**
* Attended Two days workshop on Electric Vehicle conducted by TVS Training and Service Ltd. Venue: Panimalar Engineering College
* One days workshop on **Electric Vehicle** conducted by Top Engineers Venue: Panimalar Engineering College