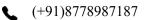
ARIKARAN R



□ arikaran258@gmail.com









CodeChef

Education

B.E - Electronics and Communication Engineering

Karpagam Institute of Technology, Coimbatore

(2022 - 2026)CGPA 7.32

Experience

New Technology Institute

(Apr-2023 May-2023)

Training/Internship in Advanced Techniques for Smart Phone and Laptop Troubleshooting, Coimbatore. Participated in hands-on training for Smart Phone and Laptop Troubleshooting. Skills in diagnosing and repairing hardware/software issues, improving problem-solving abilities. Developed expertise in using tools and techniques for troubleshooting devices effectively.

Certifications

Python Programming - NPTEL

(Oct 2023)

- Topics include basic syntax, data structures, object-oriented programming, and Python libraries.
- Gained proficiency in Python programming and software development practices.

Java Programming - NPTEL

(Nov 2024)

- Topics covered include data structures, algorithms, and Java programming concepts.
- Gained proficiency in implementing data structures, analyzing algorithm efficiency, and understanding memory management in Java

C++ and Problem Solving

(Spt 2024)

- Built strong foundations in data structures and algorithms using C++.
- Developed optimized solutions for complex problems and the Standard Template Library (STL).

AWS Cloud Foundations - Amazon Web Services

(Oct 2024)

- Learned core AWS services like EC2, S3, and cloud security essentials.
- Gained expertise in deploying scalable and cost-effective cloud applications.

HackerRank Skill Assessment Certifications | HackerRank

(2024)

- Received certifications in Problem Solving (Intermediate)
- Received certifications in Python (intermediate)

Projects

1) Theft Detection in Supermarkets | Computer Vision, Deep Learning (2024 – In Progress) - Team Lead

- Developing a system to detect theft in supermarkets by identifying individuals hiding objects without placing them in trolleys or trays.
- Utilizing video footage from surveillance cameras to train and evaluate deep learning models for object detection and human activity recognition.
- Building modules for suspicious behavior detection, object movement tracking, and anomaly flagging across frames.
- Targeting applications in loss prevention, store security enhancement, and operational efficiency for retail environments.
- Aiming to create a cost-effective and scalable solution suitable for integration with existing surveillance

systems in supermarkets.

2) Eisenhower Matrix Task Manager | Full Stack Development (self-project) (2024)

- Built a task management system based on the Eisenhower Matrix, categorizing tasks into four quadrants by urgency and importance.
- Developed an interface for task visualization and implemented notifications for timely reminders based on task priority.

Techni	cal Skills	Soft Skills	
•	Programming Java, Python, C++	Leadership	
•	Frontend HTML, CSS, Java Script, React Js	Team Work	
•	Database Mysql, Mongodb	Critical Thinking	
•	Technologies Node js, Express js, Git/GitHub	Time Management	

Achievement

- Awarded 1st Prize in Paper Presentation at Elzia 2k24, Hindusthan College of Engineering (*Apr-2024*)
- CodeChef: Achieved **2-star** rating by solving competitive programming challenges. (2024)