ARIKARAN R

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in LinkedIn　　○ GitHub　　⌇ Leetcode　　CODECHEF CodeChef

Education

B.E - Electronics and Communication Engineering	*(2022– 2026)*
Karpagam Institute of Technology, Coimbatore	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.

Technical 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

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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)*