Madhavan S

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codingninjas.com/Madhavan Leetcode.com/Madhavan

Professional Summary

Innovative Software Engineer with a strong Foundation in Programming and Problem Solving and Interested in Software Development .Proficient in Multiple Programming Language and Tools.Proven Ability to Design and Implement Scalable,Efficient and Maintainable Software solutions for Product Development.Passionate about staying up-to-date with Emerging Technologies and Collaborating with Cross Functional Teams to Deliver Cutting Edge Products

Education

AAA College of Engineering and Technology <div align="right">Fresher</div>
Bachelor of Engineering in Electronics and Communication (CGPA: 8.15/10.0) <div align="right">*Virudhunagar, Tamilnadu*</div>
- **Relevant Coursework:** C Programming Fundamentals,Computer Networking ,Python Fundamentals

R.M.PS.Ramiah Nadar.Hr.Sec.School <div align="right">Apr 2020</div>
Higher Secondary Education (Percentage:80) <div align="right">*Madurai, Tamilnadu*</div>

Experience(Inplant Training)

Phoenix Softech <div align="right">July 2022 – Aug 2022</div>
Junior Assistant Engineer Inplant Training <div align="right">*Madurai, Tamilnadu*</div>
- Actively participated in the design 30% and Production and implementation of C programming-based IOT projects
- Contributed to the development of Line Follower Robot demonstrating 15% proficiency in coding and problem-solving 30%.
- Successfully integrated C programming into IOT applications, enhancing 25% the functionality and efficiency of projects by **C programming** and Arduino Uno

Project

Traffic Analysis Attack for Identifying User's Online Activities | *Java Programming*
- Developed a system to protect messages from traffic analysis attacks, enhancing online privacy and security.
- Developed CPHSS algorithm to analyze and Protect from network traffic patterns and identify potential threats.
- Designed and implemented a robust system to detect and mitigate traffic analysis attacks.

Geo Fencing Based Alert System | *C Programming,Arduino Uno,GPS System*

- Implemented precise GPS tracking for accurate location monitoring.
- Developed Geofencing logic to define and mark specific areas.
- Enabled monitoring of both vehicle and pedestrian activities within Geofenced zones.
- Implemented immediate alert notifications through emails and app alerts triggered by Geofence entries or exits.

Technical Skills

Languages: Java,SQL,HTML,CSS,Javascript
Technologies: Git and GitHub
Concepts: Data Structures and Algorithms,Computer Networking,Object Oriented Programming(OOPS)

Certification

- Successfully Completed Course on **Microsoft Azure Fundamentals.**
- Successfully Completed Course on **Data Analytics** with **Grade B** under **Atos Prayas Foundation.**

Achievement

- Successfully solved over 200 problems on **LeetCode** and **Coding Ninjas**, demonstrating strong problem-solving and coding skills.