Madhavan S

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codingninjas.com/Madhavan Leetcode.com/Madhavan My Portfolio

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   Fresher
Bachelor of Engineering in Electronics and Communication (CGPA: 8.15/10.0)   *Virudhunagar, Tamilnadu*
- **Relevant Coursework:** C Programming Fundamentals,Computer Networking ,Python Fundamentals

R.M.PS.Ramiah Nadar.Hr.Sec.School   Apr 2020
Higher Secondary Education (Percentage:80)   *Madurai, Tamilnadu*

Project

Chat App Fullstack Developement | *Mongo DB,Express JS,React JS,Node JS*
- Implemented real-time messaging functionality using WebSockets.
- Ensured secure authentication and authorization with JSON Web Tokens (JWT)
- Optimized database performance with MongoDB indexing and caching
- Developed a responsive and intuitive UI with React.JS
- Demonstrated expertise in full-stack development with MERN stack

Gemini AI Chatbot Clone | *React.JS, JavaScript, HTML,CSS*
- Designed and developed a responsive chatbot interface using React.js, mimicking the Gemini AI chatbot .
- Implemented conversational UI components, including text input, message display, and chat history
- Utilized JavaScript to handle user input, process responses, and update the chat interface in real-time
- Demonstrated expertise in React.js state management, props, and component lifecycle methods

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,JavaScript,HTML,CSS,React JS
Database:SQL
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.