VIGNESH M

Highly motivated and technically adept engineering student with a strong foundation in programming, data structures, and algorithms. Proven experience in software development, machine learning, and IoT projects, with a demonstrated ability to lead teams and solve complex problems.

vigneshstudent2005@gmail.com

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Kovaipudur, Coimbatore, India

8148385360

in linkedin.com/in/vignesh-m-2a7028248

EDUCATION

Bachelor of Engineering in Electronics and Communication

Sri Krishna College of Engineering and Technology

10/2022 - Present

Coimbatore, CGPA - 8.27

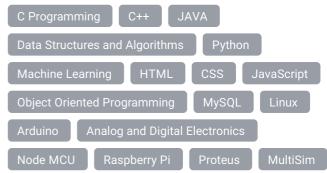
Higher Secondary

Sri Sowdeswari Vidyalaya Matriculation Hr. Sec School

06/2020 - 06/2022

Coimbatore, Grade - 93%

SKILLS



PROJECTS

Al-Powered Reservoir Management for Flood Prevention (09/2023 - 10/2023)

- Advanced reservoir management solution to improve flood prevention capabilities.
- The system seamlessly integrates Internet of Things (IoT) sensors for real-time data collection, a LoRa network for efficient data transmission
- Implemented Machine Learning models (LSTM, XGBoost, Random Forest) for data analysis and predictive flood forecasting. This enables proactive reservoir management strategies, minimizing flood

Accident Detection and Alert System with LoRa Mesh Network (03/2024 - 05/2024)

- Innovative Accident Detection and Alert System utilizing a Hybrid LoRa Mesh Network
- The system uses an accelerometer to detect sudden changes in movement and predict the accident by using predefined algorithm.
- Upon detection of accident the system transmits the accident location through the LoRa Mesh Network, ensuring reliable and long-range communication even in remote areas.

ACHIEVEMENTS

LeetCode -

https://leetcode.com/u/vigneshtheprogrammer/

Demonstrated strong problem-solving skills by solving 300+ coding challenges on LeetCode, a leading online coding platform

HackerRank-

https://www.hackerrank.com/profile/vignesh_student1

Earned Gold and Silver badges on HackerRank, a recognized platform for coding assessments, showcasing proficiency in C++ and C programming.

Team Leader - Smart India Hackathon Selection

Led a team selected among the top 30 in college through an internal hackathon to participate in the Smart India Hackathon 2023.

WORK EXPERIENCE

Intern

Luker Electric Technologies Pvt. Ltd.

07/2024 - 08/2024

Chettipalayam, Coimbatore

Tacke

- Conducted ISI standard safety tests for 20+ fans
- Assisted in PCB circuit design and microcontroller programming for an upcoming BLDC fan model

CERTIFICATES

Infosys Certification on JAVA FOR BEGINNERS (11/2023)

MONGODB AND THE DOCUMENT MODEL (09/2023)

INTRODUCTION TO CYBERSECURITY by Cisco (01/2024)

NPTEL course on ENHANCING SOFT SKILLS AND PERSONALITY (02/2023 - 04/2023)

NPTEL course on ETHICS IN ENGINEERING PRACTICE (02/2024 - 04/2024)

LANGUAGES

English Tamil

Full Professional Proficiency Full Professional Proficiency

Telugu Hind

Professional Working Proficiency Professional Working Proficiency