Sadhana M



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A highly motivated and **detail-oriented professional** with a **passion for technology** and a strong background in **full stack development and data** . **.** Skilled in various programming languages and technologies, with a commitment to **continuous learning and professional growth**

# Education

Chennai Institute of Technology, Chennai-69, Tamil Nadu

B.E Computer Science and Engineering - **CGPA 8.7**

Velammal Matriculation Higher Secondary School ,Chennai TamilNadu

 **HSC – 88%**

# Experience

2023 -2027

2008-2022

**CISCO Virtual Internship**

**DURATION :3months** may 2024 -july 2024

Cisco's Networking Essentials Virtual Internship provides participants with foundational knowledge in networking, focusing on key concepts such as the OSI model, TCP/IP protocols, and network topologies. Interns gain hands-on experience in configuring routers and switches, learning about IP addressing and subnetting to optimize network performance.

# Projects

**** **Water Contamination Detection in Rural Area:**

This innovative project is designed to enhance community safety by providing real-time monitoring and detection of water contamination. Utilizing advanced sensor technology and data analysis, the system continuously assesses water quality across local sources, identifying harmful pollutants and ensuring prompt detection of potential hazards. It integrates a mobile alert platform to notify residents immediately of any contamination events. Through community engagement and educational outreach, the project aims to empower citizens with knowledge about water safety, fostering a proactive approach to environmental health and enhancing public awareness of water quality issues.

**** **Structural Damage Analysis Using Displacement Variation Technique**

Conducted a comprehensive study on structural integrity assessment utilizing the displacement variation technique. This project involved the development of a robust framework for detecting and quantifying damage in civil structures by analyzing variations in displacement data under static and dynamic loads. Employed advanced sensors and data acquisition systems to gather real-time measurements, enabling the identification of critical failure points. Collaborated with a multidisciplinary team to create predictive models that simulate structural behavior, enhancing the accuracy of damage detection. The project aimed to improve maintenance protocols and ensure the safety and longevity of infrastructure through early detection of potential issues.

 **GAME DEVELOPMENT**

Stone paper and Scissor Game using c++ Connect 4 Game using C++

TicTacToe Game using C++ Snake and Ladder game using C++

# Certifications

* + Cisco -Introduction to Cybersecurity
  + Cisco -Cybersecurity Essentials
  + Skillrack- Java Basics - Programming Course (Hands-On)
  + Cisco Networking program
  + Bentley cad modelling
  + Modeling Structures With Analytical Modeler-Bentley.

2D/3DCADModelingOfBuildingEnvironment-Bentley

* + MSME cybersecurity course
  + Academic Process Mining Fundamentals-Celonis.
  + Fundamentals Of Cyber Security-Zscalar.
  + Machine Learning On ramp-MathWorks.
  + Road Design Concepts And Fundamentals-Bentley.

# Skills

Java ,C++

Data Structures HTML,CSS

Javascript Reactjs (basics) MySQL

MS Excel Github Git