ROHINI R

ELECTRONICS AND COMMUNICATION ENGINEERING

CONTACT

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AREAS OF INTEREST

- Problem Solving
- OOPS
- SQL

SKILLS

Programming Skills

- C
- Java

Tools and Technologies

- HTML/CSS
- React
- Visual Studio Code
- Figma
- MATLAB
- KiCAD

CERTIFICATION

- Problem Solving through Programming in C - NPTEL

CAREER OBJECTIVE

Seeking an opportunity in a growth-oriented organization that provides a platform to harness my skills, unlock my potential, and foster professional growth. I am eager to contribute towards achieving organizational goals while continuously learning and exploring innovative approaches.

EDUCATION

B.E ELECTRONICS AND COMMUNICATION ENGINEERING

Bannari Amman Institute of Technology, Sathyamangalam
Expected to graduate in 2026
CGPA: 8.45(Upto 5th Semester)

HSC (2021 - 2022)

Rajalakshmi Genguswamy Matric Higher Secondary School, Pedampampatti
Secured 92.3%

SSLC (2019 - 2020)

Rajalakshmi Genguswamy Matric Higher Secondary School, Pedampampatti
Secured 98.6%

PROJECTS

- **Resource Booking System using MERN Stack**

Team Size : 2

Developed a user-centric portal for an educational institute, featuring real-time availability, slot reservation, and seamless navigation to streamline resource booking.

- **Edge AI-Powered Surveillance: Intelligent Threat Detection**

Team Size : 3

Designed and implemented an Edge AI-powered surveillance system for real-time weapon detection using Sipeed Maixduino and LoRa, enabling rapid alerts with location metadata and threat images to law enforcement via Node-RED dashboard.

SOFT SKILLS

- Team Work
- Adaptability
- Consistent
- Time Management

HOBBIES

- Travelling
- Spending leisure time with familly

LANGUAGES KNOWN

- Tamil (R, W, S)
- English (R, W, S)

CLUB AND SOCIETY

- GEO Club

PERSONAL INFO

Date Of Birth : 28.02.2005

Nationality : Indian

Father's Name : Ravichandran D

Mother's Name : Kavitha R

- **AI-Based Air Quality Monitoring and Suggestion System**

Team Size : 4

Developed a real-time AQI monitoring system on the Sipeed Maixduino board using sensors and machine learning. Implemented Random Forest Regressor for AQI prediction and Classifier for pollutant classification, ensuring accurate monitoring, health insights, and environmental awareness.

ACTIVITIES

CO-Curricular

- ICETET 2023

  Presented a paper titled **"Water Waste Collecting Robot"** at the **5th International Conference on Emerging Trends** in Engineering and Technology, organized by St. Joseph's College of Engineering, Chennai.

- Participated in **Janatics Event Level 1,** showcasing skills in industrial automation and pneumatics

Extra-Curricular

- Participated in the **Anna University Sports Board-Zonal Level Volleyball Tournament** (2023-2024).

- **Event Coordinator – V-Prayukti '25**
  Coordinated 24 teams in the paper presentation.
  Managed online workshops.
  Organized and supervised internal activities successfully.

ACHIEVEMENT

Selected among the Top 60 nationwide in the Circuit Digest Design Contest, recognized for innovation in environmental monitoring – AQI Monitoring System

DECLARATION

I Rohini R, here by declared that the above written particulars are true to the best of my knowledge

ROHINI R

Date :

Place :