VALICHARLA VENKATA RAMYA SREE

Challagirigala || +91-9133622152 || mailto:ramyavalicherla@gmail.com || https://github.com/Ramyasree-17

CAREER OBJECTIVE

To start my career in a forward-thinking organization where I can apply my technical skills and AI tools to develop smart solutions. I am currently working as an intern at TuneWave, gaining real-time experience in .NET Core Web API development, testing, and database management.

TEHENICAL SKILLS

- **Languages:** C Programming Language,C#, Core Java.
- **Databases:** SQL.
- **Backend:** .NET Core Web API
- **Web Technologies:** HTML, CSS, JavaScript.
- **Tools:** Postman, Swagger, Git, Visual Studio, Cadence, Arduino.
- **Soft Skills:** Leadership, Problem-Solving, Collaborative.
- **AI Tools:** ChatGPT, GitHub Copilot.

EDUCATION

Bachelor of Engineering in Electronics & communication   Mylavaram

LAKI REDDY BALI REEDY COLLEGE OF ENGINEERING   Nov 2021 – Apr 2025
- CGPA: 8.71

Intermediate   kanigiri

M.N.M Junior College   June 2019 – March 2021
- Percentage: 88%

10th Standard (SSC)   kanigiri

Pragathi Vidhya Nilayam   June 2018 – march 2019
- Percentage: 10%

PROJECTS

Automated Pulmonary Nodule Classification and Detection using Deep Residual Network

- Developed a deep learning-based system using ResNet50, ResNet101, and ResNet152 for automated detection and classification of pulmonary nodules in lung CT scan images.
- Applied transfer learning and data augmentation techniques to enhance model accuracy and generalization for reliable medical image analysis.
- Achieved 94.8% classification accuracy with ResNet152 and validated the system using metrics like precision, recall, F1-score, and ROC curve analysis.

Arduino Radar Model for Distance and Angle Finding Using Ultrasonic Sensor

- Developed an Arduino-based radar model using HC-SR04 ultrasonic sensor and SG90 servo motor.
- Programmed the system to detect objects and measure their distance and angle accurately.
   Displayed real-time object positions using a radar-like graphical interface

Smart Garbage Monitory System

- Designed and developed a Smart Garbage Monitoring System using CSP (Cyber-Physical Systems) principles for real- time waste management.
- Integrated IoT sensors to monitor garbage levels, sending alerts for efficient collection and waste disposal.

Created a Personal Portfolio Website on GitHub

- Developed a responsive personal portfolio website using HTML, CSS, and JavaScript, showcasing academic projects and certifications.
- Leveraged AI tools like ChatGPT and GitHub Copilot to refine design, debug code, and enhance overall development efficiency.

INTERNSHIP

TUNE WAVE MUSIC MANAGEMENT SYSTEM (Present)

- Developed and tested a .NET Core Web API for managing music data (Enterprises, Artists, Releases) with secure JWT and API Key authentication.
- Performed API and database testing using Postman and SQL Server, ensuring functional accuracy and data integrity across all endpoints.
- Created and executed test cases, defect logs, and regression testing to maintain system quality and reliability.

BHARAT HEAVY ELECTRICAL PRIVATE LIMITED (BHEL)

- Studied and analyzed advanced gas turbine controllers for enhanced efficiency and safety.
- Designed and implemented a CO_2 fire suppression system, ensuring NFPA-12 compliance.
- Gained hands-on experience in fire suppression system design, safety protocols, and industrial FireProtection.
- Integrated key components (CO2 cylinders, solenoid valves, discharge pipes, pressure, Switches, Fire detectors) for effective operation.
- Developed extended discharge mechanisms to prevent reflash in high-temperature zones, gaining practical experience in industrial fire protection and safety system design.

CERTIFICATIONS

- **IOT:** Infosys spring board.
- **Salesforce Certification:** AI Associative.
- **Java Full Stack Certification**: Wipro.
- **My SQL Basics:** Great Learning.

WORKSHOP

- Participated in hands on work shop on embedded system by ADAQ Technologies PVT.LTD.
- Participated in hands on work shop on PCD DESIGN by Reconfigurable Computing Club.