VALICHARLA VENKATA RAMYA SREE

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EDUCATION

Lakireddy BaliReddy College of Engineering, Mylavaram **2021 - 2025**
B Tech, Electronics and Communication Engineering
- **GPA:** 8.71

M.N.M Junior College,Kanigiri **2019-2021**
MPC,Intermediate
- **GPA**:8.83

Pragathi Vidhya Nilayam,Kanigiri **2018-2019**
Secondary School Education
- **GPA:**10.0

INTERNSHIP

BHARAT HEAVY ELECTRICALS LIMITED, 2024

- **S**tudied and analyzed advanced gas turbine controllers to enhance efficiency, reliability, and safety in industrial environments.
- Designed and implemented a CO_2 fire suppression system compliant with NFPA-12 standards, integrating components like solenoid valves, discharge pipes, and fire detectors.
- Developed extended discharge mechanisms to prevent reflash in high-temperature zones, gaining practical experience in industrial fire protection and safety system design.

SKILLS

- **Programming Languages:** Python.
- **Databases:** SQL.
- **Web Technologies**:HTML,CSS,Javascript.
- **Tools:**Ansys,Cadence,Git,Github,AWS.
- **DataVisualization:**Tableau,Power BI**.**

PROJECTS

Automated Pulmonary Nodule Classification and Detection Using Deep Residual Networks.

- 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 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.

CERTIFICATIONS

- **Power BI:**Triaright**.**
- **Python:**Skill development and training**.**
- **Cyber Security** : Capgemini.
- **IOT**:Infosys Spring Board.
- **Wipro**:Javafullstack.