

DUVVURI VIJAYALAKSHMI

Email: duvvuriv03@gmail.com

Address:

D/o Ramesh,

D.no 2-40, Near Library,

TIPPANAGUNTA Post, BAPULAPADU Mandalam,

KRISHNA District, ANDHRA PRADESH. 521106.

Objective:

Dynamic and results-driven professional with a Master's degree in Internet of Things (IoT) and a Bachelor's degree in Electronics and Communication Engineering, seeking a challenging role in the field of IoT, embedded systems, or related technologies. Proven track record of academic excellence, practical experience in research and development, and a passion for leveraging technology to solve real-world problems.

Education:**M.Tech. in Internet of Things (IoT)**

JNTUA College of Engineering, Ananthapuram

Year of Passing: 2023

CGPA: 8.66 (1st Year: 8.60, 2nd Year: 8.73)

B.Tech. in Electronics and Communication Engineering

SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Year of Passing: 2020

CGPA: 7.80

Intermediate

JMJJUNIOR COLLEGE OF HANUMAN JUNCTION

Year of Passing: 2016

Percentage: 73%

SSC

Z.P. HIGH SCHOOL ARUGOLANU

Year of Passing: 2014

Percentage: 78%

Work Experience:**Assistant Professor**

Potti Sreeramulu College of Engineering and Technology, Autonomous, Vijayawada

Duration: Present

Responsibilities:

- Conducting lectures, tutorials, and laboratory sessions.
- Mentoring students in academic and career development.
- Supervising student projects and research activities.
- Participating in departmental and university initiatives.

Internship Experience:**R&D Intern**

Eftronics Systems Pvt. Ltd, Mangalagiri, Guntur district, Andhra Pradesh

Duration: one year

Responsibilities:

- Worked on testing of health monitoring units, Gitlab, and sensor exploration.
- Conducted experiments on remote diagnostics and predictive maintenance systems, point voltage detection, and vibration sensors.
- Assisted in monitoring the voltage of 3-phase transformers.

Conference Paper:

Presented a paper titled "IoT based Incubator Monitoring and Controlling System for Jaundice Treatment" at the 4th International Conference on Recent Trends in Engineering, Technology, and Management.

Certifications:

- ICTA Academic Workshop Certificate
- National Intellectual Property Awareness Mission Workshop Certificate
- Indian Space Research Organisation (ISRO) Indian Institute of Remote Sensing Workshop Certificate

Projects:

Internship Project - "Testing of Health Monitoring Unit, Gitlab, and Sensor Exploration" (M.Tech 1st Year)

- Conducted testing and analysis of health monitoring units.
- Explored Gitlab for version control and collaboration.
- Investigated various sensors for potential applications in IoT systems.

Internship Project - "Remote Diagnostic and Predictive Maintenance System" (M.Tech 2nd Year)

- Developed and tested remote diagnostic tools.
- Implemented predictive maintenance algorithms.

- Explored voltage detection and vibration sensing technologies.

Monitoring Voltage of 3-Phase Transformer

- Implemented a monitoring system for 3-phase transformers.
- Analyzed voltage fluctuations and performance metrics.

Quality of Experience (QoE) Driven Integrated Heterogeneous Traffic Resource Allocation based on 5G Cognitive Radio Networks for Cooperative Learning (B.Tech Project)

- Designed and simulated a QoE-driven traffic allocation system.
- Investigated 5G cognitive radio networks for dynamic resource allocation.

IoT Based Incubator Monitoring and Controlling System for Jaundice Treatment

- Developed an IoT system for monitoring incubator environments.
- Controlled temperature, humidity, and light levels for optimal treatment conditions.
- Enabled remote monitoring and control for healthcare providers.

Technical Skills:

- Programming Languages: Python, Embedded C
- Tools & Technologies: Gitlab, IoT platforms
- Microcontrollers: Arduino, Raspberry Pi
- Data Analysis: Grafana
- Simulation Tools: MATLAB

Areas of Interest:

- Internet of Things
- Embedded Systems
- Microprocessors & Microcontrollers

Interests:

- Hardware Design
- Networking Technologies

- Data Visualization
- Continuous Learning and Skill Development

Languages Known:

English, Telugu, Hindi

Personal Details:

Father's Name: D RAMESH

Date of Birth: 09/08/1999

Nationality: Indian

Declaration:

I hereby declare that the information provided above is true to the best of my knowledge.

D Vijayalakshmi