




# MEKA MANOJ REDDY

Hyderabad,Telangana

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 [Manoj Reddy](#)

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## CAREER OBJECTIVE

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To secure an entry-level position in a reputable organization where I can utilize my skills and knowledge effectively for the growth of the company and my professional development.

## EDUCATION

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**Vignan Institute of Technology and Science**

**2021-2025**

*Bachelor of Technology in Electronics and Communication Engineering*

*CGPA- 7.16*

**Urbane Junior College**

**2019-2021**

*Intermediate Education (MPC)*

*Percentage- 94.20*

**SR Digi School,Hyderabad**

**2019**

*SSC Board Education*

*CGPA- 9.20*

## PROJECTS

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**Automatic Washing Machine Control System using Verilog HDL**

Nov 2024

Designed and implemented a Finite State Machine (FSM)-based automatic washing machine control system using Verilog HDL for efficient digital control.

**Tools:** Verilog HDL, ModelSim, Xilinx ISE/Vivado

**Simple Calculator**

May 2024

Developed a calculator application to perform arithmetic operations.

**Tools:** Html, CSS, JavaScript

**Portfolio Website**

Apr 2024

Developed a personal project portfolio website to demonstrate expertise in web development and showcase past projects.

**Tools:** Html, CSS, JavaScript

**ESP32 Camera Module for Motion Detection**

Feb 2024

Developed a motion detection system using the ESP32 microcontroller module to monitor and detect motion in a specified area.

**Tools:** ESP32 CAM Module, Passive Infrared sensor, Arduino IDE

**Third eye for blind people**

Mar 2023

Developed a wearable device using sensory technology to enhance spatial awareness and navigation for visually impaired individuals.

**Tools:** Arduino UNO, Arduino IDE, Ultrasonic sensor

## TECHNICAL SKILLS

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**Programming Languages:** C, Python

**Web Technologies:** HTML, CSS

**Tools:** VS Code,MATLAB, GitHub

**CourseWork:**Micro Processors, Micro Controllers, VLSI, Digital system Design, Signals and Systems

## SOFT SKILLS/PERSONALITY TRAITS

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- Effective Communication
- Teamwork
- Critical Thinking
- Time Management
- Problem Solving

## CERTIFICATIONS

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- Certificate of Publication **JETIR** May 2025
- RF and Microwave Networks **NPTEL** May 2025
- Python Training **Mindluster** May 2024
- Complete guide to CSS **Udemy** May 2024
- Introduction to Ethical Hacking **Great Learning** May 2024
- Build responsive Website **Udemy** May 2024
- Introduction to Microsoft Excel **Coursera** Mar 2023

## PUBLICATIONS

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- Meka Manoj Reddy, "Implementation of Automatic Washing Machine Control System using Verilog HDL," Journal of Emerging Technologies and Innovative Research (JETIR), Volume 12, Issue 3, March 2025. ISSN: 2349-5162 — Impact Factor: 7.95 **Paper Link**

## PARTICIPATION

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- Participated in Bookstagram Event conducted at Vignan Institute of Technology and Science
- Participated in a webinar on Advances in Healthcare, Image Processing, and Internet of Medical Things conducted by IEEE Hyderabad Section **Certificate**

## EXTRA CURRICULAR

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- Knowledge of Photo/Video editing
- Photography
- Created and edited video content for a personal YouTube channel

## PERSONAL INFORMATION

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**DOB:** 12th April 2004

**Languages:** English, Hindi, Telugu

**Father's Name:** Meka Thirupathi Reddy

Hyderabad

Meka Manoj Reddy