Gopireddy **Greeshma**

Full Stack Web Developer | IOT Enthusiast

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EDUCATION

Malla Reddy University, Hyderabad, India – B. Tech, Internet Of Things   **2022 – 2026**

CGPA:9.5

Relevant Coursework: Internet Of Things, Artificial Intelligence, Machine Learning, Data Structures, Python Programming, Web Development, MERN Stack Development, Operating Systems, Database Management System.

SKILLS

Programming	**:**	Python, Core Java
Web Development	**:**	React.js, Node.js, Express.js, HTML, CSS, JavaScript
AI Techniques	**:**	Machine Learning Algorithms, Generative AI
Database Management	**:**	MongoDB, MYSQL
Design	**:**	Canva

PROJECTS

Smart Home Automation Using ESP 32

- Developed a smart home automation system using the ESP32 microcontroller, integrating sensors for presence detection to control lights and fans.
- Implemented Bluetooth connectivity for automated music playback upon entry, enhancing home entertainment.
- Integrated the Sinric Pro app and Google Home for mobile-based operation and remote control of smart devices.
- Optimized automation for a seamless, hands-free smart home experience with real-time control and monitoring**.**

Basic Library Management System

- Developed a Basic Library Management System to efficiently manage book records, including viewing, issuing, adding, and returning books.
- Enhanced understanding of file handling, data management, and user interaction in programming.
- Implemented core functionalities to track book availability and improve system organization.
- Built the project with guidance from a YouTube tutorial, gaining hands-on experience in structuring functional systems.
- Strengthened problem-solving skills and look forward to developing more advanced systems in the future.

AI Agent

- Developed an AI Agent combining Python, automation, and web scraping technologies.
- Installed and configured the latest Python version, cloned the web-UI repository, and set up a virtual environment (Vithal) for dependency management.
- Integrated essential libraries like browser-use and Playwright to enhance web interaction and data extraction.
- Implemented an HTTP-based user interface, enabling users to input prompts via the Run Agent option.
- Designed the AI agent to search Google in real-time and return relevant answers efficiently.

CERTIFICATIONS

Cybersecurity and the Internet Of Things, Coursera	**Mar 2024**
Python Essentials 1, Cisco	**May 2024**