

Sara R

Bachelor of Technology

Prince Shri Venkateshwara Padmavathy Engineering College

 Portfolio

 GitHub Profile

 LinkedIn Profile

EDUCATION

•Bachelor of Technology in Information Technology

2022-26

Prince Shri Venkateshwara Padmavathy Engineering College

CGPA: 8.5

PERSONAL PROJECTS

•Water Quality from mobile captured and Google Earth images (2023)

Patent Application No.202341032204 A

- Facilitates accurate monitoring of water quality for research and conservation.
- Integrates satellite imagery with user-captured images for enhanced evaluation.
- **Technology Used:** Python, Google Earth API, Data Science.

•COUNTER ELEVATOR (2024)

Patent Application No.202441018003 A.

- Automatically adjusts table height based on user posture and measurements.
- Combines computer vision and IoT for seamless real-time operation.
- **Technology Used:** Arduino, Python, OpenCV, IoT Sensors, Bluetooth.

•Voice Assistant- Polo

An offline voice assistant built with Python to perform tasks via speech commands. .

- Handles tasks like playing music, fetching news, weather updates, and system automation.
- Integrated IoT features for controlling devices using Arduino.
- **Tech Used:** Python, Pyttsx3, Arduino.

EXPERIENCE

•Cappricio Securities

August 2025- Present

Cyber Security Intern

Offline

- Gained hands-on experience in **network security**, **threat detection**, and **incident response**.
- Learned about **vulnerability assessment**, **penetration testing**, and **SOC operations**.
- Worked with tools like **Wireshark**, **Nmap**, **Beef** and **Kali Linux** to secure systems.

•AGILE ASSEMBLY Inc

July 2023-Present

Chief Marketing Officer

Offline

- A student-led startup focused on **web development** and **mobile applications**, delivering innovative digital solutions.
- Builds user-friendly websites and scalable applications for real-world needs.
- Encourages collaboration, creativity, and hands-on learning.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS,

Libraries Java and Python Libraries, ReactJs

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: ReactJs

Cloud/Databases: Azure,MongoDb, Firebase, MySQL

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

Areas of Interest: Web Design and Development, Cloud Security.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

•STUDENT AMBASSADOR Prince Shri Venkateshwara Padmavathy Engineering College Nov 2024 - 2026

- Representing the institution and coordinating various events and activities.
- Led and coordinated various college events, developing leadership, teamwork, and organizational skills. .