

Gaurav Saraswat

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SUMMARY

Aspiring engineer with hands-on experience in microwave designing, home automation, and automated systems. Seeking an entry-level position where I can leverage my skills in CST Microwave Studio and LT Spice VII, along with my analytical and problem-solving abilities, to contribute to innovative projects and grow professionally.

PROJECTS

Automatic Water Pump System

- Developed an automatic water pump system using an ultrasonic sensor to monitor water levels.
- The system automatically starts the pump when the tank is empty and stops it when the tank is full.
- Ensured efficient water management by automating the filling process based on real-time sensor data.

Developed a system to control home appliances remotely using ESP8266

- Designed and implemented a home automation system using the ESP8266 Wi-Fi module for controlling appliances remotely.
- Developed a circuit for remote control of home appliances via smartphones, enabling users to manage devices like lights and fans.
- Integrated Google Assistant for voice control and real-time power consumption monitoring for enhanced energy efficiency.
- Conducted thorough testing to ensure the system's stability, security, and scalability

EXPERIENCE

Intern

North Central Railway (Jul'24 - Aug'24)

- Gained insight into the operation of railway communication systems and their components.
- Learned about specialized departments like MTRC, Railnet, Exchange, Station, and Test room for different communication applications.
- Explored the Kavach train protection system, designed to prevent train collisions.

SKILLS

Technical Skills : CST Microwave Studio, LT Spice VII, C, Python

Soft Skills : Analytical Thinking, Presentation Skills, Problem Solving, Fast Learning, Cooperative, Team Worker, Patience, Leadership, Communication Skills

EDUCATION

Bachelor of Technology (Electronics and Communication)

2021 - 2025

Cgpa:-7.9

- Hindustan College of Science and Technology.
- Served as the Captain of the Cricket Team.

Secondary Education

- K M Public School
- CCA Captain of the house.

HOBBIES

- Cricket
- travelling
- Singing