Palak Shivhare

Electronics and Telecommunication Engineer

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Summary

Electronics and Telecommunication Engineering student with strong fundamentals in circuit design, and signal processing. Skilled in working with PCB design tools, and basic testing instruments. Seeking an entry-level role to apply technical skills, learn new technologies, and contribute to innovative projects.

Skills

Programming & Querying: Python.
Data Visualization Tools: Matlab.
Industry-Specific Skills: Proteus simulation, Understanding of PCB layout, Bascis of VLSI.
Soft Skills: Team work, Time management , Adaptability.

Projects

Patch Antenna Design | *CST*   **October 2025 – November 2025**

– Designed a Rectangular and Circular patch antenna at 2.5 GHz using CST.
– Calculated patch dimensions based on dielectric constant and operating frequency.
– Simulated antenna performance return loss, VSWR , radiation pattern.
– Got good resonance near 2.5 GHz with desired gain and bandwidth.

Bluetooth Control Car | *Using Arduino*   **April 2024 – May 2024**

– Designed and built a car controlled through a Bluetooth module and mobile application.
– Programmed motor driver and Microcontroller to enable forward, reverse, left, and right movements.
– Integrated sensors and optimized circuit for smooth operation.

Achievements & Certifications

- Event Volunteer in Tech Competition of college.
- I have done NPTEL courses like Demystifying Networks.
- Got certificate for active participation in the workshop of Financial Literacy and Entrepreneurial workshop.
- Got certificate for participating in the workshop of "Professional report writting with Latex"

Education

B-Tech Electronics and Telecom. Engineering   **Graduating: 2023–2027**
MITS, Gwalior   *CGPA: 8.2 / 10*