



YUVRAJ SINGH

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ABOUT ME

I'm an Electronics Engineering student who enjoys solving technical challenges. I'm skilled in circuit design and embedded systems, and I'm passionate about software engineering too. I love coding and creating tech solutions, blending my hardware and programming skills for cool projects. I'm eager to join a dynamic team with my energy and versatile approach!

EDUCATION

Oct 2022 - Jul 2026	Institute of Engineering and Rural Technology, Allahabad Bachelor of Technology in Electronics Engineering
Apr 2020 - Sep 2021	Saraswati Vidya Mandir Sr. Sec. School Vivekanand Nagar, Sultanpur Intermediate Education

PROJECTS

- Designed a Compact Tri-Band Bandpass Filter (BPF) Using a Meandered Ring Resonator**
Developed an efficient tri-band BPF with a meandered ring resonator for enhanced performance and space optimization. Demonstrated expertise in RF design and simulations to achieve high selectivity and low signal loss.
- Designed and Implemented a Microstrip Patch Antenna for 5G Applications**
Created a high-performance microstrip patch antenna tailored for 5G frequency bands, optimizing gain and bandwidth. Applied electromagnetic simulation tools to refine the design, showcasing skills in antenna engineering and wireless communication technologies.
- Developed a Vehicle Number Plate Detection System Using MATLAB**
Built an automated system for detecting and recognizing vehicle number plates, utilizing image processing techniques in MATLAB. Enhanced accuracy through algorithm optimization, demonstrating proficiency in computer vision and software implementation.

SKILLS

- DSA with C++
- Python
- Database Management
- Cybersecurity
- VLSI Technology
- Matlab
- PCB Design with ADS & Simulink Software