RAHUL GUPTA

Phone: +91 9565263102|Email: rahulgupta20042105@gmail.com
LinkedIn :   https://www.linkedin.com/in/rahul-gupta-8854ab313
Github Portfolio Website:https://rkgupta21052002-a11y.github.io/PORTFOLIO/

Career Objective

Striving to role in a reputable organization where I can utilize my technical skills and knowledge effectively to attain a challenging contribute towards company growth hoping to acquire valuable experience and exposure in the industry.

Aiming to develop practical experience in electronics, robotics, and automation through impactful internships or job roles, with a long-term vision of driving technological innovation.

Education

- **United college of engineering and research, Prayagraj**   **2022-Present**
  Bachelor of Technology, Electronics and Communication Engineering   CGPA:8.6
- **G.I.C. Inter College, Prayagraj**
  12th Standard | 2021 | UP Board   77.6%
- **S.V.M. Inter College Alopibagh, Prayagraj**
  10th Standard | 2019 | UP Board   90.33%

Academic Project-

- **Mars Rover for Martian Terrain Exploration | Major Project (Working)**
  Designed and developed a functional Mars rover prototype intended for Martian terrain analysis. Focused on mobility, data collection, and sensor integration to simulate real-world exploration scenario.
- **Fabrication of Rectifier Circuit using Eagle, CopperCam & Mac3Mill. (9/2024)**
  Designed the layout in Eagle, generated toolpaths with CopperCam, and fabricated the circuit using Mac3Mill and a PCB prototype machine.
- **IoT-Based LED activation and Display message using ESP8266 (9/2023)**
  Implemented an IoT project using the ESP8266 microcontroller to control LED activation and display the messages on a 16x2 LCD display .

Certifications and Achievements

- **Advanced Embedded Systems and Wireless Design -**
  Gained hands-on experience in antenna design using CST, IoT system integration with Arduino, and digital system design using Verilog HDL & FPGA tools
- **Design and Fabrication of Antennas and RF Components for 5G Wireless Communication -**
  Hands-on experience in antenna and RF design using Ansys HFSS, including fabrication and testing.
- **Design and Fabrication of Electronic Circuit -**
  Gained skills in circuit design using PSpice software. Fabricated the electronic circuit using PCB prototype machine .
- **Innovation in Circuit Engineering using IoT -**
  Built IoT systems using ESP8266 and sensors with cloud-based automation.
- **UAV and Drone Technology -**
  Practical exposure to drone design,components, GPS integration, and autonomous navigation
- **National Painting Competition -Senior Category (Oil and Gas Conservation)**
  Showcased sustainable energy concepts through creative painting at the national level

Skills-

Soft Skills	Hard Skills
1.MATLAB	1. Disciplined & Consistent
2 PSpice	2.Problem Solving
3.CST Studio	3.Adaptability
4. Basics of C,Python and SQL	4.Time Management