

SNEHA VERMA

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🌐 [Linkedin](#)

I am student of National Institute of Technology, Kurukshetra. I am currently pursuing my B.Tech degree in the department of Electrical Engineering.

➤ EDUCATION QUALIFICATION

1) Semester SGPA of the college:

1st Semester SGPA: 7.6

2nd Semester SGPA: 9.2

3rd Semester SGPA: 8.78

Navneeta Kunwar Public School, Varanasi, Uttar Pradesh

● CLASS X: 93.4%

The Ideal New Star English School, Varanasi, Uttar Pradesh

● CLASS XII: 92.8%

○ JEE MAINS RANK: 43004

➤ PROJECT

🏠 1. Smart Home Automation System

Description: Control home appliances (lights, fan) using a smartphone app or web interface.

Components: Arduino Uno, Relay Module, ESP8266 Wi-Fi module, bulbs/fan.

Skills Gained: Networking, control systems, and integration with mobile apps.

🚒 2. IoT Motion Detection and Alert System

Description: Detects motion and sends alert via email or app notification.

Components: Arduino Uno, PIR sensor, ESP8266, IFTTT/Blynk.

Skills Gained: Real-time monitoring, automation, using IFTTT for alerts.

🔒 3. IoT Based Door Lock System

Description: Lock/unlock door using smartphone via Wi-Fi.

Components: Arduino, Servo Motor, ESP8266, Keypad (optional), Blynk

Skills Gained: Security system design, servo control, user interface with app.

➤ SKILLS

● Technical Skills:

1) **Circuit Design and Simulation:** Understanding circuit theory and being able to design and simulate circuits is fundamental.

2) **Programming:** Proficiency in programming languages like Python, MATLAB, and C++ is increasingly important for developing algorithms, simulations, and automating processes.

3) **IoT and Embedded Systems:** Familiarity with IoT and embedded systems is highly sought after due to their growing integration in various industries.

● Soft Skills: Your paragraph text

1) **Communication:** Effective verbal and written communication skills for collaborating with teams and communicating technical concepts.

2) **Teamwork:** We work in multidisciplinary teams, requiring strong teamwork and collaboration skills.

3) **Project Management:** For leading projects, my strong project management skills are crucial for planning, execution, and monitoring.