



GAURANG JADOUN

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B.Tech, Electronics and Communication Engineering

Address : N - 502, Arihant Aredn, Sector - 1, Gautam Buddh Nagar



Summary

Innovative ECE undergraduate and Vice President of Electronica@SRM with a passion for solving real-world problems through technology. Skilled in Full Stack Development (Django, Next.js) and IoT integration. Recent achievements include developing an IoT-based Asthma Detection Smart Band and engineering long-range wireless networks. Currently applying advanced web technologies as a Software Developer Intern to build data-driven applications.

Experience

MPEBBLES TECHNOLOGIES LLP

Software Developer Intern · Developer · Part Time

Dec 2025 - Mar 2026

Delhi

Skills

Programming Languages: Java, Python, JavaScript (ES6), C / Embedded C, SQL

Languages and Frameworks: Next.js, Quasar.js (Vue.js), Django, React.js, HTML5 & CSS3, Express.js

Tools and Technologies: Google Cloud Platform (GCP), Git & GitHub, Firebase, VS Code

Hardware Skills: ESP32 & Arduino, IoT Sensor Integration, Raspberry Pi 4

Domain Knowledge: Object-Oriented Programming, RESTful API Design

Projects

IoT Based Asthma Detection Smart Band | [GitHub](#)

Jan 2026 - Jan 2026

Hackathon Project · Arduino Uno R4, Python, C++, Embedded C, IoT Sensors

Internet of Things (IoT) & Healthcare

- Designed a wearable smart band equipped with environmental and physiological sensors to monitor asthma triggers in real-time.
- Developed a microcontroller-based system (ESP32) to process sensor data and transmit alerts to a companion application via Bluetooth/Wi-Fi.
- Implemented algorithms to detect abnormalities in vital signs, providing early warnings to the user.

Fire Alarm System Integrated with Home Automation

Nov 2025 - Nov 2025

Academic Project · C++, Arduino/ESP32, IoT Sensors

IoT & Home Automation

Designed an integrated system connecting fire detection sensors with home automation for immediate response.

Attendance Management System | [GitHub](#)

Feb 2025 - Mar 2025

Development Project · Django, SQLite, Python, HTML/CSS

Web Development

- Django + SQLite based automated attendance system, CSV/Excel import.

- Admin, Faculty and Student Dashboards were introduced.

Long Range Wireless Networking for Environmental Monitoring | [GitHub](#)

Mar 2024 - Mar 2024

Competition Project · LoRaWAN, Embedded C, Sensors, C++

Wireless Communication & IoT

- Built LoRa-based long-range sensor network.
- Created dashboard for real-time monitoring.
- Achieved ~1 km communication range.

Education

SRM IST-Ghaziabad

2027

B.Tech · Electronics and Communication Engineering

CGPA - 7.31/10

Sumeet Rahul Goel Memorial Sr. Sec. School

2023

Class XII - CBSE · Agra

Percentage - 79.2%

St. Paul's Church College

2021

Class X - CISCE · Agra

Percentage - 92.4%