



GAURANG JADOUN

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B.Tech, Electronics and Communication Engineering

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



SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

Education

SRM IST-Ghazhiabad

B.Tech · Electronics and Communication Engineering

2027

CGPA - 7.31/10

Sumeet Rahul Goel Memorial Sr. Sec. School

Class XII - CBSE · Agra

2023

Percentage - 79.2%

St. Paul's Church College

Class X - CISCE · Agra

2021

Percentage - 92.4%

Experience

MPEBBLES TECHNOLOGIES LLP

Software Developer Intern · Developer · Part Time

Dec 2025 - Mar 2026

Delhi

Projects

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

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

Jan 2026 - Jan 2026

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

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

Nov 2025 - Nov 2025

IoT & Home Automation

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

Attendance Management System | [GitHub](#)

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

Feb 2025 - Mar 2025

Web Development

· Django + SQLite based automated attendance system.
· Admin, Faculty and Student Dashboards were introduced.
· CSV/Excel import, admin dashboard, role-based login.
· Increased data handling efficiency by 40%.

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

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

Mar 2024 - Mar 2024

Wireless Communication & IoT

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

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

Languages

Hindi [Native Proficiency], English [Professional Working Proficiency]