



# GAURANG JADOUN

gj6117@srmist.edu.in | 8077700483 | 2027

B.Tech, Electronics and Communication Engineering

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



## Education

<b>SRM IST-Ghaziabad</b>	2027
B.Tech · Electronics and Communication Engineering	CGPA - 7.31/10
<b>Sumeet Rahul Goel Memorial Sr. Sec. School</b>	2023
Class XII - CBSE · Agra	Percentage - 79.2%
<b>St. Paul's Church College</b>	2021
Class X - CISCE · Agra	Percentage - 92.4%

## Experience

<b>MPEBBLES TECHNOLOGIES LLP</b>	Dec 2025 - Mar 2026
Software Developer Intern · Developer · Part Time	Delhi

## Projects

<b>IoT Based Asthma Detection Smart Band</b>   <a href="#">GitHub</a>	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.	
<b>Fire Alarm System Integrated with Home Automation</b>	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.	
<b>Attendance Management System</b>   <a href="#">GitHub</a>	Feb 2025 - Mar 2025
Development Project · Django, SQLite, Python, HTML/CSS	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%.	
<b>Long Range Wireless Networking for Environmental Monitoring</b>   <a href="#">GitHub</a>	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.	

## 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]