

# Himanshu Gupta

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## Career Objective

Pre-final year **Computer Science Engineering** student driven by a passion for **Software Development, Problem Solving, and Innovation**. Seeking opportunities to contribute to building **scalable, efficient, and reliable solutions** for real-world problems while fostering **collaboration and transformation**.

## Skills

**Programming Languages:** Java, JavaScript, C++, Python

**Technical Tools:** Git/GitHub, MongoDB, REST APIs, MySQL

**Relevant Courses:** Data Structures & Algorithms, OOP, System Design, Database Management System, Operating Systems, Computer Networks, Software Engineering

**Interpersonal Skills:** Adaptability, Continuous Learner, Innovative Mindset, Team Leadership, Problem Solving, Critical Thinking, Public Speaking, Attention to Detail, Time Management

## Projects & Research Work

- Backend of E-Commerce Application** | *Node.js, Express.js, MongoDB* [GitHub Link](#) April 2025
- Engineered the backend of an e-commerce platform with **JWT authentication, RESTful API endpoints**, and a modular architecture for scalability.
  - Designed and integrated **MongoDB database schemas** for products, users, and orders etc.
- Email Generation Application** | *Java, OOPs, Encapsulation* [GitHub Link](#) April 2025
- Developed an **Email Generation Application** using Java, applying **OOP principles** such as encapsulation, constructors, and modular class design.
  - Implemented **getter and setter methods** with private access modifiers to ensure secure data handling.
- Guesser Java Console Game** | *Java, OOP* [GitHub Link](#) December 2024
- Developed a console-based text game applying **OOP principles** such as classes, inheritance, and polymorphism.
  - Designed a **modular architecture** with reusable methods, enhancing scalability and readability of the code.
- Working Model of PIR Motion Sensor** | *Arduino, C++* [GitHub Link](#) March 2024
- Built an Arduino-based **PIR motion detector** with C++ programming to sense human movement.
  - Integrated hardware components (**PIR sensor, buzzer, LED**) with efficient code logic for accurate motion detection and trigger real-time alerts.

## Achievements

- Hack 5.0 Obsidian Saga **Hackathon Grand Winner** – NIT Hamirpur April 2025
- Academic Achievers Award** – Academic Achiever of Year 2024-25, Chandigarh University May 2025

## Leadership & Certifications

- GSSoC Campus Ambassador & Contributor** – GirlScript Foundation July 2025 – Present
- Joint Secretary** – C Square Club, Chandigarh University Jan – Sept 2025
- Core Team Member & Anchor** – Engineering Community, Chandigarh University July – Dec 2024
- Cloud Computing Certification** – NPTEL Online Jan – Apr 2025
- Data Analytics Bootcamp** – NIT Trichy, Unstop Platform Dec 2024 – Jan 2025
- Backend Development Certification** – PW Skills March 2025

## Education

<b>Chandigarh University, Gharuan, Mohali</b>	<b>CGPA: 8.13</b>
<i>Bachelors in Computer Science Engineering</i>	<i>2023-2027</i>
<b>Green Land Convent School, Ludhiana</b>	<b>87%</b>
<i>Higher Secondary Certificate (CBSE)</i>	<i>2021-2023</i>
<b>Green Land Convent School, Ludhiana</b>	<b>94.2%</b>
<i>Secondary School Certificate (CBSE)</i>	<i>2020-2021</i>