

Himanshu Gupta

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CAREER OBJECTIVE

My passion lies in **Software Development, Computer Science, and Innovation**. I am seeking opportunities to contribute in 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 2025 – Present
- **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 Certificate** – PW Skills March 2025

EDUCATION

Chandigarh University, Gharuan, Mohali **CGPA: 8.13**
Bachelors in Computer Science Engineering *2023-2027*

Green Land Convent School, Ludhiana **87%**
Higher Secondary Certificate (CBSE) *2021-2023*

Green Land Convent School, Ludhiana **94.2%**
Secondary School Certificate (CBSE) *2020-2021*