



# Sudhanshu Gautam

Bachelor of Technology  
in Computer Science  
Indian Institute Of Technology, Ropar

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## EDUCATION

Degree	Institute/Board	Place	Year
Bachelor of Technology	Indian Institute of Technology	Ropar,Punjab	2022-2026
Senior Secondary	Central Board of Secondary Education	Saharanpur,UP	2021
Secondary	Central Board of Secondary Education	Saharanpur,UP	2019

## ABOUT ME

- B.Tech student at IIT Ropar with strong problem-solving skills and a passion for web and Android app development.
- Experienced in React, Flutter, Java, and Python, with a keen ability to tackle challenges efficiently.
- Skilled in time management and adaptive learning to stay updated with the latest technologies.
- Developed multiple projects, including a Bookstore app, Bank Management System, and Tic Tac Toe game.

## PROJECTS

- **BookStoreApp (Full Stack Project)** Dec 2024 - Jan 2025  
*React, Nodejs, HTML, Javascript, CSS* **Github**
  - All-in-One Bookstore Management: Offers a seamless experience with user authentication, intuitive book management, and advanced search capabilities, ensuring effortless navigation and organization.
  - Built with a React frontend, a powerful Node.js and Express backend, and a scalable MongoDB database, delivering smooth client-server interaction through optimized RESTful APIs.
- **Bank-management-system** Oct 2024 - Nov 2024  
*Java, PostgreSQL* **Github**
  - Effortless Banking Operations: A feature-rich banking system enabling secure account creation, deposits, withdrawals, balance inquiries, and transaction tracking, all safeguarded with PIN-based authentication.
  - Robust MySQL Integration: Utilizes MySQL for efficient data management, ensuring seamless storage and retrieval of user accounts, transactions, and banking activities for a smooth and reliable experience.
- **Twitter-scraping-selenium** Sep 2024 - Oct 2024  
*HTML, Python, Selenium* **Github**
  - Intelligent Trend Extraction: Leveraged Selenium to automate login and navigation on X (formerly Twitter), efficiently capturing trending hashtags from the "Explore" tab for real-time trend analysis.
  - Robust Data Management: Implemented MongoDB to securely store extracted trends along with metadata such as timestamps and IP addresses, ensuring seamless tracking and insightful historical analysis of social media trends.

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, Java, JavaScript, SQL, MySQL, CSS, HTML, Kotlin, Risc-V
- **Skills 2:** Web Development, Mobile App development, Data Analysis, VS Code, Code Blocks, PyCharm, Excel, GitHub, git
- **Skills 3:** Teamwork, Problem-Solving, Efficient Task Prioritization, Rapid Skill Acquisition

## KEY COURSES TAKEN

- **CSE & Maths:** Algorithm Data Structure, Discrete Math, Computer Architecture (CA), Programming Paradigms And Pragmatics(PPP), Operating System, Database Management System (DBMS), Algorithms and Design, Digital Logic Design, Calculus, Differential Equation, Linear Algebra and Integral Transforms, Probability and Statistics
- **Others:** Economics, Biology for Engineers, Physics for Engineers, Basic Electronics, System and Signals, Tinkering Lab, Introduction to Electrical Engineering, Professional English Communication, NSS

## POSITIONS OF RESPONSIBILITY

- **Mentor in ISMP Programme,**IIT Ropar July 2024 - May 2025
- **Member,**Coding Club IIT Ropar Nov. 2022 - May. 2024
- **Member,**Cricket Club, Football Club, IIT Ropar Nov. 2022 - May. 2024

## MISCELLANEOUS

- **Achievement 1,** Got certificates in Cybersecurity Analysis: Simulation and data protection. 2024
- **Achievement 2,** Sports Captain of my School. Selected for State Level Football Tournament. 2020
- **Achievement 3,** Completed the Programming camp of Graph theory from Algo University. 2024