

# Nakul Garg

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GFG: [geeksforgeeks.org/user/nakulgarg1424](https://www.geeksforgeeks.org/user/nakulgarg1424)

Leetcode: [leetcode.com/u/nakul30](https://leetcode.com/u/nakul30)

## EDUCATION

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- **Punjab Engineering College** Chandigarh  
*Electronics and Communication Engineering; CGPA: 8.77* 2021 – 2025
- **Vasant Valley Public School** Sangrur  
*Class 12; Percentage: 95.6* 2020 – 2021
- **Vasant Valley Public School** Sangrur  
*Class 10; Percentage: 96.4* 2019 – 2020

## EXPERIENCE

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- **Trident Group Company** Barnala, Punjab  
*Software Engineer* February 2024 - May 2024
  - **Developed Abstract and Interface Classes for ERP System** Utilized Eclipse IDE to design and implement abstract and interface classes in Java, contributing to the architecture and modularity of a new ERP system, ensuring code reusability and scalability
  - **Managed IBM DB2 Database and Generated Reports** Performed database operations including SQL query optimization, data modeling, and schema design in IBM DB2, and generated comprehensive reports using i-net Crystal Clear for real-time data analysis and presentation
  - **Designed Data Analytics Dashboards** Created interactive and dynamic data analytics dashboards in Tableau, employing advanced data visualization techniques and integrating multiple data sources to support data-driven decision-making and KPI tracking

## PROJECTS

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- **Urbanmart—Ecommerce Fashion Website** Link
  - Ensured a seamless and efficient full-stack development process that integrates a robust backend using Express.js, MongoDB, Node.js and responsive frontend using React.js
  - Implemented advanced state management using Redux Toolkit, optimizing application performance and maintainability by efficiently handling complex state logic and asynchronous data fetching, leading to an improved user experience
  - Integrated real-time functionalities such as live product search, dynamic cart updates, and instant order processing, leveraging Redux Toolkit, to provide users with a responsive and interactive shopping experience
- **Roommate Finder — Web app to find Roommate** (Currently Working)
  - Developing a real-time roommate matching system that will update user preferences and compatibility scores and will help to find roommate nearby
  - Creating an intuitive and user-friendly interface with React.js, focusing on a smooth and responsive user experience

## PROGRAMMING SKILLS

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- **Languages:** C++, JavaScript, HTML, CSS, MySQL, Python, React
- **Technical:** Data Structures and Algorithms, Node.js, MongoDB, Express.js, React.js, Firebase, Redux, Git, DBMS, OOPS, SQL and Non Sql Database, Operating Systems

## POSITION OF RESPONSIBILITY

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- **Member Placement Cell(PEC)**
  - Conducted placement and internship drives along with career counselling sessions and training events involving 700+ students