

RAJAT GARG

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EDUCATION

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|--|---|
| • Punjab Engineering College
B.Tech, Electrical Engineering, CGPA: 8.42 | December 2021 – June 2025
Chandigarh, India |
| • St. Peter's Senior Secondary School
Grade 12, Percentage: 88.6% | April 2020 - April 2021
Chandigarh, India |
| • St. Xavier's Senior Secondary School
Grade 10, Percentage: 92.8% | April 2018 - April 2019
Chandigarh, India |

WORK EXPERIENCE

- Software Development Intern** **Jan 2024 - April 2024**
Defence Research and Development Organisation (DRDO)
- Technologies used:** Cesium.js, Node.js, Express.js, MySQL, HTML, CSS, Javascript
- Developed Web-Based 3D Geographic Information System for mapping Snow Avalanche details. Gained experience in geospatial data visualization and web development.
 - Leveraged Cesium.js for rendering geographic data and MySQL to store Avalanche details.

PROJECTS

- Economic Load Dispatch (Minor Project) :** [Link to Website](#) **Nov 2023 - Dec 2023**
- Technologies used:** JavaScript, React, Apps Script Api, Chart.js, Excel
- Led a team of 5 and solved the problem of Economic Load Dispatch using Dynamic Programming.
 - Developed a data-fetching mechanism through Apps Script API to gather Excel data for load generation analysis in India; enabled the team to forecast future load patterns with precision
 - Meticulously utilised Chart.js to display the fetched data on the website.
- E-Commerce Dashboard :** [Link To Website](#) **April 2023 - May 2023**
- Technologies used:** Node.js, Express.js, MongoDB, React, JavaScript, HTML and CSS
- Web-based App that Adds, Updates and Deletes products inserted by the same user only.
 - JWT for authentication and authorization for secure information exchange between server and user.

SKILLS

Languages : C++, Python, JavaScript, HTML, CSS, SQL, GraphQL
Computer Fundamentals : Data Structures, Algorithms, OOPS, OS, Database Management System
Web Development : Node.js, Express.js, MongoDB, React.js, Sockets, REST API, Tailwind CSS
Tools : MS-Excel, VS Code, Github, Postman, Git, MySQL Workbench, Chat-GPT
Additional Skills : Problem Solving, Communication Skills, Numpy, Pandas

COURSES AND ACHIEVEMENTS

- **Won 3rd Prize** out of **40 teams** in **Hack2Hatch Software Hackathon** conducted by **EIC, PEC** (2024)
- **Solved over 700 coding problems on LeetCode** and achieved a **rating of 1649** (2024)
- **4 Stars** at **CodeChef** with a remarkable rating of **1831**, demonstrating excellence by securing ranks such as **98 in Starters 95, 116 in Starters 113, 280 in Starters 117 and 406 in Starters 123** (2024)
- **LinkedIn - Express Essentials: Node.js, Learning REST APIs and HTTP Essential Training** (2023)
- **Hackerrank** - 5 star in C++, Python and Problem Solving (2023)
- **Coding Ninjas** - Certificate of **Excellence** and **Completion** in DSA (2022)

POSITION OF RESPONSIBILITY

- **TCR - Career Development and Guidance Centre (CDGC)** (2023-Present)
- **Executive Body - Student Counselling Cell** (2022-Present)
- **Joint Head PECFest 2023-24, UDAAN-2023, Pre-Placement Training 2023**
- **PECFest 2022-23 Marketing Subhead:-** Converted 3 deals with the total worth of 1.2 Lakhs