Dhruv Agarwal
Bachelor of Technology
Mechanical Engineering | Minor in Computer Science
Indian Institute of Technology, Ropar

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.52 (Till 5th Sem)	2022-2026
Senior Secondary	Central Board of Secondary Education	97.6%	2021-2022
Secondary	Central Board of Secondary Education	93.6%	2019-2020

PROJECTS

- **Pathfinding** *10/2024-11/2024*
  DSA, Javascript **Github**
  – Designed a pathfinding tool utilizing graph algorithms to determine the shortest route between two points.
  – Integrated OpenStreetMap for accurate map rendering between 2 points.

- **Hangman Game** *09/2024*
  HTML, CSS, JavaScript **Github**
  – Designed an interactive Hangman game, which enhanced user engagement through real-time feedback and offered 6 chances to guess.
  – Compiled a diverse word bank of 50+ entries, which ensured varied and challenging gameplay experiences.

- **Command-TODO-List** *01/2024 - 02/2024*
  Python **Github**
  – Developed an application to seamlessly perform 5+ actions such as add, view, delete, search, organized tasks by due date and priority, optimizing task management and prioritization.
  – Deployed a persistent storage system that manages tasks via a JSON file, ensuring reliable data retention for over 100 tasks across multiple sessions.

SKILLS

– **Programming Languages**: C++, Python, JavaScript, HTML, CSS, React.js, MATLAB, MySQL.

– **3D Design & Simulation**: AutoCAD, SolidWorks, Abaqus.

– **Data Analytics & Visualization**: Tableau, Power BI, Excel.

– **Development Tools**: VS Code, GitHub, Jira, Slack, Trello.

– **Graphic Design**: Canva, Figma.

– **Research & Development**: Project-based R&D experience.

– **Soft Skills**: Leadership, Team Collaboration, Strong Communication, Resilient, Performance Focused, Committed to Growth.

KEY COURSES TAKEN

– **Mathematics**: Probability and Statistics, Linear Algebra, Calculus, Vector Algebra, Differential Equation

– **Computer Science**: Computing And Data Structures, Data Structures and Algorithm

– **Finance**: Economics.

– **Udemy**: Product Management 101, Master Product Management

POSITIONS OF RESPONSIBILITY

- **Senior-Coordinator, Media Team** , Career Development and Placement Cell. *04/2024 - 04/2025*

- **Student Representative, Software Development Team**, Career Development and Placement Cell. *09/2023 - 05/2024*

- **Coordinator**, Automotive Club. *07/2023- 05/2024*

- **Coordinator, Media Team**, Career Development and Placement Cell. *07/2023 - 04/2024*

- **Co-Head** , Advitiya *12/2023 - 01/2024*

MISCELLANEOUS

- **Jee Advance**, Ranked 8,184 out of 155,000 candidates, showcasing strong dedication in a competitive exam. *09/2022*