





# Raj Nandan

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## EDUCATION

<b>College Of Engineering Roorkee, Roorkee</b>	Aug 2025
<i>Bachelor of Technology in Information Technology</i>	<i>Current GPA: 7.4</i>
<b>Millia Convent English School</b>	April 2021
<i>Higher Secondary in Science</i>	<i>Score: 68.4%</i>
<b>Millia Convent English School</b>	April 2019
<i>Matriculation</i>	<i>Score: 88.4%</i>

## EXPERIENCE

- Drishti** | *State level Hackathon* 2023
- Developed an IoT solution to help visually impaired individuals read, recognize people, and understand their surroundings.
  - Integrated a camera module on smart glasses to capture real-time video, analyzed using a machine learning model trained on diverse data.
  - Utilized Python libraries and Raspberry Pi for efficient video processing and real-time feedback, providing enhanced situational awareness.

## PROJECTS

- Skill Saga** | *React, Node JS, Express, MongoDB*
- Developed an interactive e-learning platform offering lecture videos, notes, and practice tests across various subjects.
  - Designed and implemented a user-friendly dashboard to track progress and performance metrics.
- Flora Fusion** | *React, Node JS, Express, MongoDB*
- Developed a web platform to explore various plant species, offering detailed information on each species, including benefits and cultivation methods.
  - Designed and implemented a responsive user interface with React, integrated Node.js and MongoDB for backend and database functionality, providing real-time data on plant species and a seamless user experience.
- Bright Hands** | *React, Node JS, Express, MongoDB, Python*
- Developed a web to support deaf and mute students in Gujarat, helping them learn Gujarati through Indian Sign Language.
  - Integrated features like alphabet and number interpretation, writing exercises, and conversion between Gujarati text and sign language to facilitate learning.



## TECHNICAL SKILLS

**Programming Languages:** C/C++, Java, Python  
**IT Constructs:** Data Structure & Algorithms, SQL, OOPS, OS, DBMS, Computer Network, System Design  
**Front-end/Backend Skills:** HTML, CSS, Java Script, Bootstrap, MERN  
**Tools:** Git/GitHub, VS Code

## ACHIEVEMENTS

2nd place in NEO Idea Competition (2022) for an innovative project.  
3rd place in Intra-Department Hackathon (2023) for a tech solution.  
3rd rank in Uttarakhand Tech Fest (2023) for an IoT project.  
Coordinator of Robotics and Innovation Club (TRAIC), leading innovation events.

## CODING PROFILE

**GeeksForGeeks:** Solved 400+ DSA Problems :1611 rating   
**LeetCode:** Solved 300+ DSA Problems :1488 rating 

## INTEREST AND LANGUAGE

**Interests:** Coding, sketching, Photography