



# Isha Jain

Roll No.:254101018

M.Tech in Computer Science and Engineering

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Github

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech	Indian Institute of Technology Guwahati	8.2	2025-Present
B.Tech	College Of Technology, GBPUAT Pantnagar	7.77	2020-2024
Senior Secondary	CBSE Board	93.4%	2020
Secondary	CBSE Board	91.8%	2018

## EXPERIENCE

- Freelance** Feb. 2022 - Aug. 2022  
*LaTeX Developer* Remote
  - Processed raw LaTeX files exported from OCR application, ensuring accurate conversion.
  - Debugged and fixed formatting errors in LaTeX code (e.g., misplaced commands, compilation issues) to improve document readability.
- Chegg** Nov. 2021 - Jan. 2022  
*Subject Expert in Advanced Mathematics* Remote
  - Created comprehensive answers that students could easily understand

## PROJECTS

- Personal Portfolio Website** Jan 2026  
Github
  - Developed a responsive, component-driven portfolio SPA using React.js and Tailwind CSS
  - Implemented custom Tailwind theming, dark/light mode, and reusable utility patterns for consistent, scalable styling.
- DOS-style Command Shell Built on a Custom OS API Layer** Dec. 2025 - present  
*Ongoing*  
Github
  - Designed and implemented a DOS-style OS API layer in C with custom file descriptors and byte-level system calls (load, store).
  - Developed a prototype command processor (command.com) to test OS-level I/O, initialization guards, and bitflag-based error handling, structured to later replace the POSIX backend with a custom x86 kernel.
  - Built a system-call boundary and FD translation table to decouple OS logic from the POSIX backend during development.

## TECHNICAL SKILLS

- Programming:** C/C++, JavaScript
- Web Technologies:** HTML, CSS
- Tools/Frameworks:** React.js, Tailwind CSS

## KEY COURSES TAKEN

- Computer Science:** Operating Systems, Data Structure and Algorithms

## ACHIEVEMENTS

- GATE CSE 25**, AIR 475 Gate Score 774 2025