



# Isha Jain

Roll No.:254101018

M.Tech in Computer Science and Engineering  
Indian Institute Of Technology, Guwahati

+91-6398851933

isha.jain@iitg.ac.in

ishajain152002@gmail.com

Github

[linkedin.com/in/isha-jain-468a93214](https://linkedin.com/in/isha-jain-468a93214)

## 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*

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*

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*