

# MAHTAB SHAH

An independent, self-motivated individual dedicated to achieving goals through hard work and perseverance.

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## EDUCATION

Indian Institute of Technology, Dhanbad, INDIA.

- Bachelor of Technology in Electrical Engineering.

Aug'23-2027

## INTERNSHIP EXPERIENCE

### C++ DSA & MERN Stack T. A. (Intern) at @Ed. Tech. Apna College

Aug'25 - Dec'25

- Assisted students in Data Structures & Algorithms (DSA) as well as in MERN stack, solving **1000+** problems.
- Gained hands-on experience with C++ advanced concepts, **STL libraries**, and **Implementation** techniques.
- Worked on **debugging** and **optimisation** using VS Code.
- Enhanced problem-solving skills through mentoring and collaboration, helping students clarify their doubts.

## SELECTED PROJECTS

### LIVE VISUAL STUDIO CODE [LINK](#) | [REPOSITORY](#)

Dec'24

A web application built using **HTML, CSS, and JavaScript**.

- Developed a live Visual Studio Code editor, enabling users to write **HTML, CSS, Bootstrap CSS**, and **JavaScript** with instant **results rendering** for **real-time visualisation**.
- Integrated features such as **proper formatting**, **syntax highlighting**, and **auto-completion** of predefined **code snippets**.
- Enhanced **real-time coding** and **debugging experiences** through an interactive interface.

### VIBE INK AI QUOTE NETWORK [LINK](#) | [REPOSITORY](#)

Sept'25

A full-stack social platform built to let users express emotions, share deep thoughts, poetic lines, and powerful quotes, built using **React, Bootstrap CSS, JavaScript, Node.js, Express.js, and MongoDB**.

- Developed a social networking environment where users can **post** quotes, poetic lines, and emotional expressions, creating a hub for like-minded individuals.
- Enabled features like **editor**, **likes**, **comments**, **stories**, etc, and **profile connections**, allowing users to engage and build a meaningful vibe-based network.

## TECHNICAL SKILLS

- **Languages/Technologies:** C | C++ | JavaScript.
- **Frontend technologies:** HTML | CSS | Bootstrap | Tailwind | SCSS | EJS | JavaScript | React.js.
- **Backend technologies:** Node.js | Express.js | MySQL | MongoDB | Mongoose.
- **Relevant Coursework:** Data Structures and Algorithms | Object-Oriented Programming | DBMS.

## CERTIFICATION & ACHIEVEMENT

- C++ DSA certificate from Apna College. [CERTIFICATE](#)

Dec'25

- Microsoft Learn Student Ambassador. [CERTIFICATE](#)

Feb'25

- Solved 200+ problems on [LEETCODE](#) and 1000+ DSA and MERN stack doubt.

- JEE ADVANCED (2023): Qualified India's toughest exam and ranked in the top 6.4% out of 200,000 students.