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# **EDUCATION**

Degree/Certificate	${\bf Institute/Board}$	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.17 (Current)	2021-Present
Senior Secondary	CBSE Board	92.6%	2020
Secondary	CBSE Board	88.6%	2018

#### EXPERIENCE

• Remarkskill SDE Intern December 2024 - February 2025

Romoto

- Migrated a legacy WordPress website to the **MERN stack (MongoDB, Express.js, React.js, Node.js)** with **Next.js**, significantly improving performance, scalability, and maintainability, while enhancing security and user experience.
- Designed and built a secure certificate verification portal and user dashboard with real-time progress tracking, increasing user engagement and satisfaction by 25% and reducing verification time by 30%.
- Rebuilt the frontend with **React/Next.js** and backend APIs using **Express.js** and **MongoDB**, reducing load times by approximately 40% and deploying the solution using advanced **virtualization** and **cloud technologies**.

• Abhigyan Academy

April 2024 - July 2024

Guwahati

SDE Intern (Backend and Frontend)

- Contributed significantly to developing a interactive full-stack web application using React.js, Express.js, Node.js, and MongoDB, resulting in a 40% increase in user engagement and a 30% improvement in average session duration.
- Developed and implemented 8+ interactive pages and efficiently optimized existing content, leading to approximately 50% faster page load times and significantly improved mobile responsiveness across all devices.
- Conducted comprehensive end-to-end backend testing using **Postman**, ensuring **API reliability** and **performance**.

#### **PROJECTS**

Team Project

### • HealthCare Management System

November 2024 - December 2024

GitHub

- Developed a healthcare management application using **Next.js**, **TypeScript**, **TailwindCSS**, and **ShadCN**. It offers comprehensive features for patient registration, appointment scheduling, and medical appointment management.
- Administrative features for scheduling, confirming, and canceling appointments, with SMS notifications via Twilio.
- Integrated secure file storage with Appwrite for storage of medical and patient records maintaining privacy.

IMAGE-AI

February 2025 - March 2025

Personal project

GitHub | Web-App

- Utilized **OpenAI API** to enable image generation through personalized prompts. Users can share their creations in a community gallery, displaying images alongside creators' details and prompts, with a download option.
- Built with React for a engaging and responsive front-end and Express.js for a robust back-end. Utilized MongoDB for scalable and secure data storage. Integrated Cloudinary for seamless media optimization and delivery.

### • Custom Database Implementation (Go)

January 2025

 $Personal\ Project$ 

GitHub

- Developed a custom file-based database, capable of **CRUD operations** with JSON-formatted records, optimized with a **mutex mechanism** to ensure thread safety during concurrent access so that efficiency can be improved.
- Implemented functions for writing, reading, and deleting records, handling nested structures, and efficient logging.
- Database handles collections and resources efficiently, providing a flexible solution for various data storage needs.

# TECHNICAL SKILLS

Programming Languages: C/C++, JavaScript, SQL CS Fundamentals: DBMS, OOPs (Object-Oriented Programming), Operating Systems, Computer Networks, System Design, Relational Databases

**Web Technologies:** React.js, Node.js, Next.js, MongoDB, ShadCN, Zod

Miscellaneous: Docker, Kafka, Cloud technologies(AWS),

KEY COURSES TAKEN

- Node.JS: Backend Development with Node.js under Student Web's Committee(SWC) IITG
- HTML/CSS/JavaScript/React.JS: Completed workshop under Student Web's Committee(SWC) IITG
- Computer Science: Introduction to Computing, Computing Laboratory, Computational Chemistry

# ACHIEVEMENTS AND EXTRACURRICULAR

- CodeChef, secured global rank 128 in Starters 145 Div 3. Maximum Rating: 1633
- Codekaze Sept. 2023, Achieved All-India Rank 283 out of 150,000 students in Round 2 of the competition.
- Undergraduate Senator, Actively advocated for 5000+ UG students by identifying and addressing their issues.
- Branch Representative, enhanced student-professor interaction, addressed issues, and guided peers effectively.
- RungMunch, Achieved 1st in inter-hostel roasting competition by showcasing quick wit and creativity.