



Harsh Sinha

Roll No.:190122022

B.Tech - Chemical Science and Technology

Indian Institute of Technology, Guwahati

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Portfolio

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Guwahati	8.12	2023
Senior Secondary	Central Board of Secondary Education	88.20%	2018
Secondary	Central Board of Secondary Education	9.40	2016

EXPERIENCE

- Userology** Mar. 2023 - Ongoing
Software Developer Intern
 - Developed a WhatsApp bot using **ReactNode** library, enabling users to preview messages before sending.
 - Integrated Google and Microsoft calendar APIs for meeting booking, scheduling, and managing appointments.
 - Designed and implemented a scalable and maintainable high-level component using **NextJs**, and created robust **RESTful APIs** with **Node.js** and **Express** to handle user interactions and optimize data retrieval.
- IQApex Labs** Nov. 2021 - Apr. 2022
Full Stack Developer Intern
 - Developed a tourism website using **MERN** for booking trips, supplier fulfillment, and admin monitoring.
 - Developed customized reusable components in **ReactJS** and used **Styled-Components CSS** for the responsive pages.
 - Incorporated **Nodemailer** to send email for various purposes such as authorization, new orders, etc, **JWT** for authorization, **multer** for document uploads, **Razorpay** for payment integration, and **AWS** for hosting the website.

PROJECTS

- Thera Cure** Feb. 2023 | Website
 - Implemented **MERN** application for seamless appointment booking and management between doctors and patients.
 - Designed a comprehensive appointment workflow with email notifications and administrator review functionalities.
 - Ensured secure access with robust and advanced **authentication** and **authorization** techniques.
- CodeBooks : A social media website** Sep. 2021 | GitHub
 - Designed a website using **MVC architecture** with core features: login, connecting with friends, posting, commenting.
 - Implemented authentication using **PassportJS**, and **RESTful CRUD** operations for users, posts, and comments.
 - Used **ExpressJS** to build **RESTful APIs** with **MongoDB** infrastructure to store data, and **EJS** for FrontEnd.

ACHIEVEMENTS

- SPYBITS IIT BHU**: Secured global rank **251**, institution rank **2** among 5k+ participants. [\[Profile\]](#)
- Google Coding Competition**: Cleared **Code Jam 2021** and, **Hash Code 2022** qualification round. Achieved world rank **2599** in **Kick Start Round C 2022**.
- LeetCode**: Achieved **Knight** Badge with a max-rating of **1884** (Top **5.15%** and solved 800+ problems). [\[Profile\]](#)
- CodeChef**: Achieved **4*star** with a max-rating of **1866**. [\[Profile\]](#)

TECHNICAL SKILLS

- Programming Language**: C/C++
 - Web technologies**: ReactJS, NextJS, ExpressJS, HTML, CSS, Bootstrap, JavaScript, TypeScript
 - Database**: MongoDB Atlas, MySQL*
 - Operating Systems**: Windows, Linux*
- * Elementary proficiency

KEY COURSES TAKEN

- Introduction to Computing
- Computing Lab
- Operating System
- Data Structures and Algorithms
- Database Management Systems
- Object Oriented Programming

EXTRACURRICULARS

- StartUp Sprint 2019**: Secured **1st** position among 12 hostels for the startup Kuch Khalo which aimed at serving the campus junta with healthy, delicious, and homemade cuisines from all across the campus.
- Techevince 2020**: Worked under guidance of Robotics Club, prepared a robot which can climb over the pole.
- Alcheringa 2021**: Worked as marketing executive and associated with the company to sponsor the cultural fest.
- Verzeo Campus Ambassador Program**: Managed team of 5 people and create awareness about verzeo programs.