



# 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 an automated messaging system using **Meta's APIs** and **ReactNode**, featuring predefined flows, message previews, efficient outreach to **1000+** participants with a single click, interactive responses via WhatsApp bots.
  - Led team in developing Panel Management, achieving **8 - 9 secs** to **1 - 2 secs** server response, and seamlessly integrated Google and Microsoft calendar APIs for advanced scheduling and meeting booking.
  - Designed and implemented scalable **Next.js** component and optimized **Node.js** RESTful APIs for user interactions, leading to a remarkable **6x** reduction in researchers' interview time accomplishing **30 days** of work in just **5 days**.
- 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](#)
  - Designed a comprehensive full-stack **MERN** app for streamlined appointment booking and management, leading to a substantial reduction in patient waiting times (**1 - 2 days**) through instant slot availability checks.
  - 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**: Advanced to the next level in Google's Code Jam 2021 and Hash Code 2022, demonstrating strong problem-solving. Attained global rank **2599** in Kick Start Round C 2022, showcasing optimized coding skills.
- LeetCode**: Achieved **Knight** Badge with a max-rating of **1884** (Top **5.15%** and solved 800+ problems). [Profile](#)

## TECHNICAL SKILLS

- Programming Language**: C/C++
  - Web technologies**: ReactJS, NextJS, ExpressJS, HTML, CSS, Bootstrap, JavaScript, TypeScript
  - Database**: MongoDB Atlas, MySQL\*
  - Tools**: Git, GitHub, Firebase, AWS- EC2 | S3
  - 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.