



Harsh Sinha

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B.Tech - Chemical Science and Technology

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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

- Radien | Software Developer Intern** Sept. 2023 - Ongoing
 - Crafted component detail page for component and prop info, leveraging React scanner for streamlined identification.
 - Executed **AST** analysis and **jscodeshift** techniques to systematically identify and replace React components across a large-scale project, resulting in a **40%** reduction in code complexity and improved maintainability.
 - Achieved a remarkable **10%** increase in performance and efficiency in the variance audit process and near matches.
- Userology | Software Developer Intern** Mar. 2023 - Aug. 2023
 - Created 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 | Full Stack Developer Intern** Nov. 2021 - Apr. 2022
 - Constructed **MERN** based tourism website, facilitating trip bookings, supplier management, 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.
 - Built 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 & Tools**: MongoDB Atlas, MySQL*, Git, GitHub, Firebase, AWS- EC2 | S3, 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.