Harsh Sinha

Roll No.:190122022
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

- **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**
  – 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**: 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
- Data Structures and Algorithms
- Computing Lab
- Database Management Systems
- Operating System
- 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 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 awarness about verzeo programs.