



MOHIT SHARMA

Roll Number: 212123031

M.Sc.Mathematics and Computing

Department of Mathematics

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Github | Profile

EDUCATION

| Degree/Certificate | Institute/Board | CGPA/Percentage | Year |
|---------------------------------|--|-----------------|--------------|
| M.Sc. Mathematics and Computing | Indian Institute of Technology, Guwahati | 7.50 (Current) | 2021-Present |
| B.Sc.(Hons.) Mathematics | University of Rajasthan, Rajasthan | 79.70% | 2018-2021 |
| Senior Secondary | CBSE Board | 86% | 2018 |
| Secondary | CBSE Board | 9.0 CGPA | 2016 |

PROJECTS

- Happy Stay (Team size: 2)** Ongoing
Prof. Ashok Singh Sairam, Dept of Mathematics, IIT Guwahati Github
 - A responsive and dynamic website with **Realtime Database**, allowing hotels to register and customers to schedule a stay.
 - Captured the requirement analysis using **ER Diagram** to convert it into suitable relations with keys and constraints.
 - Developing distinct modules for admin, hotels and customers to store and process database using **SQL** and **PHP**.
 - The tech stack contains **HTML**, **Tailwind CSS**, **JavaScript**, **PHP** & **MySQL**.
- Social Networking Site** Sept-Oct, 2022
Self Guided Project Github
 - A full scale social networking website like Facebook or Twitter, including features such as newsfeeds, profiles, friend system, chat system, trending posts.
 - The tech stack contains **HTML**, **CSS**, **JavaScript**, **JQuery**, **PHP** & **MySQL**.
- Portfolio Website** Aug-Sept, 2022
Self Guided Project Github | Website
 - A **Responsive** website, showcasing my work, skills and achievements.
 - The tech stack contains **HTML**, **CSS**, **JavaScript**.

TECHNICAL SKILLS

- Programming Languages:** C, C++, MATLAB
- Web Technologies:** HTML, CSS, PHP, JavaScript*
- Database Management:** MySQL
- Operating Systems:** macOS, Windows
- Miscellaneous:** LaTeX, Git* * Elementary proficiency

KEY COURSES TAKEN

- Computer Science:** Computer Programming(with Lab), Data Structures and Algorithms(with Lab), Theory of Computation*, Database Management Systems*(with Lab).
- Mathematics:** Probability Theory, Optimization Techniques, Differential Equations, Linear Algebra, Discrete Mathematics, Numerical Analysis*(with Lab). * Ongoing

POSITIONS OF RESPONSIBILITY

- Departmental Postgraduate Programme Committee Member** Aug 2022 - Present
Department of Mathematics, IIT Guwahati.
 - Driving force in the decision making committee of the coursework, alongside the department faculty.

ACHIEVEMENTS

- The Joint Admission Test for M.Sc. (JAM 2021):** Secured **AIR 71** among **13,186 candidates** appearing for the test in Mathematics, conducted by IISc Bangalore.

EXTRACURRICULARS

- Seminar Presentation on Cyber Security** October 2022
Dept of Mathematics, IIT Guwahati
 - Prime focus on protection of computer systems and networks from information disclosure, theft of, or damage to their hardware, software, or electronic data, as well as from the disruption or misdirection of the services they provide.
- Peer Mentor Coordinator, Saathi, IITG** Aug 2022 - Present
 - Spearheading the team of nine mentors for the Peer Mentorship Program.
 - Organised an informative event on **Suicide Prevention** on the occasion of Suicide Prevention Day.