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M.Sc - Mathematics and Computing

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Sc Mathematics & Computing	Indian Institute of Technology, Guwahati	9.20 (Current)	2021-Present
B.Sc Mathematics	TCSC, Mumbai University	9.65	2021
Higher Secondary	Maharashtra Board	84.92%	2017
Secondary	Maharashtra Board	88.60%	2015

PROJECTS

- Placement Portal** Sept 2022 - present
Prof. Ashok Singh Sairam, Dept of Mathematics, IIT Guwahati [Github](#)
 - It is a dynamic website which provides **registration to companies and students** for placement.
 - Students can **apply to companies** through the portal. Each company will be required to disclose the **eligibility requirements, placement examination stage, and open positions**. The portal also shows various **placement statistics**.
 - Using an **ER Diagram** to capture the requirement analysis and convert it into appropriate relations.
 - Key Technologies:** HTML, CSS, Javascript, PHP, MySQL
- Gmeet Clone** Team Size : 3 | June - July 2022
Coding Club, IIT Guwahati [Website](#) | [Github](#)
 - Created a **responsive and dynamic website** that works similar to the actual Google meet website.
 - It has functionalities such as **video-audio calls, whiteboard system, chat system, authentication** and many more.
 - Key Technologies:** HTML, CSS, Javascript, NodeJS(Socket.io, PeerJS, ExpressJS, PassportJS)
- Hotstar Clone** Team Size : 2 | Sept 2022
Personal Project [Website](#) | [Github](#)
 - The home page of the website is a replica of Disney+ Hotstar's main page(**Front-end**).
 - It starts with **authentication(signing up and logging in)** using PHP & MySQL before directing us to the home page.
 - Key Technologies:** HTML, CSS, Javascript, PHP, MySQL
- Seminar: Ethical Hacking** Oct 2022
Dept of Mathematics, IIT Guwahati
 - Seminar on Ethical Hacking which is related to legally breaking into computers and different devices in order to test an organization's defences.

TECHNICAL SKILLS

- Programming Languages:** C/C++, Python*, MATLAB
- Web Technologies:** HTML, CSS, Javascript, NodeJS*, PHP
- Database Management:** MySQL
- Operating Systems:** Windows, Linux*
- Miscellaneous:** LaTeX*, Git & Github* * Elementary proficiency

KEY COURSES TAKEN

- Computer Science:** Computer Programming (with Lab), Data Structures & Algorithms (with Lab), Theory of Computation*, Database Management System* (with Lab)
- Mathematics:** Discrete Mathematics, Probability Theory, Optimization Techniques, Numerical Analysis* (with Lab), Linear Algebra, Modern Algebra, Complex Analysis
- MOOCs:** HTML CSS and Javascript for Web Developers, Introduction to Relational Database and SQL * To be completed in Nov 2022

ACHIEVEMENTS

- The Joint Admission Test for M.Sc (JAM 2021):** Secured **AIR 21** among 13186 candidates appearing for the test in the subject Mathematics.
- GeeksForGeeks:** Secured **Rank Under 100 (with 1000+ Coding score)** among 4000+ IITG students on GFG.
- Hackerrank:** 6 Star on Problem solving(DSA), 5 Star on C++ along with the problem solving Intermediate certificate.

EXTRACURRICULARS

- Mentor, Saathi Counselling Cell:** currently mentoring seven juniors under the Peer Mentorship Program as a part of Saathi Counselling Club, IIT Guwahati.
- Saathi Counselling Cell:** Organized an event on Suicide Prevention on the occasion of Suicide Prevention Day.
- Coursera Project Network:** Certification on Building Basic Relational Databases in SQL Server Management Studio.
- Advance Maths Tutor:** Subject Matter Expert in Advance Calculus at @Chegg India.