



# Bharatkumar Choudhary

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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\*, 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

- Saathi Counselling Cell, IIT Guwahati** Aug 2022 - present
  - Mentor**, Currently mentoring seven juniors under the **Peer Mentorship Program** as a part of Saathi Club.
  - 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.