



# Shibasish Shaw

Roll No.:212123053

M.Sc. - Mathematics and Computing

Department of Mathematics

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Sc. Mathematics and Computing	IIT, Guwahati	8.00 (Current)	2021-Present
B.Sc. Mathematics Hons	Calcutta University	85.12%	2017-2020
Senior Secondary	WBCHSE	89.00%	2017
Secondary	WBBSE	92.86%	2015

## PROJECTS

- **Placement Portal** Ongoing  
Github [↗](#)  
*Dr. Ashok Singh Sairam/ IIT Guwahati*
  - Designing a placement portal for recruiting companies and students to maintain the placement information of IITG.
  - Capturing the requirement analysis using **ER Diagram** to convert it into suitable relations with keys and constraints.
  - Creating distinct modules for admin, companies and students to store and process database using **SQL** and **PHP**.
- **Case Study on Goldman Sachs** Ongoing  
Drive [↗](#)  
*Personal Project*
  - Analyzing Goldman Sachs, its strategies, financial services and operations in the Market of the United States.
  - A wide variety of aspects including **Business Model**, **Management**, **Financial Statements**, **Shareholding**, **Ratios**, **Barriers to Entry** and **Rivalry** are covered. Report dashboard using **Tableau** for visualization is also there.
- **Brownian Motion and its Application in Finance** Oct' 2022  
*Department of Mathematics/ IIT Guwahati*
  - Studying Brownian Motion as a continuous-time stochastic process and making an elaborate presentation.
  - Several of its properties including **Continuity**, **Finiteness**, **Normality**, **Martingale & Markov Property** are depicted.
  - How the Market is modeled using the **Standard** and the **Geometric Brownian Motion** is highlighted.

## TECHNICAL SKILLS

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

## KEY COURSES TAKEN

- **Computer Science:** Data Structures & Algorithms, Theory of Computation, Database Management Systems
- **Mathematics:** Discrete Mathematics, Probability, Optimization Techniques, Numerical Analysis, Linear Algebra

## POSITIONS OF RESPONSIBILITY

- **Content Head** June 2022 - Present  
*Student Alumni Interaction Linkage (SAIL), IIT Guwahati*
  - Leading a team of **5 content executives** in writing content for SAIL Website, Social Media Handles, Mails etc.
  - Serving as a Coordinator for SPARC, an organization which operates in **450 Indian** and **470 Foreign** Institutes.
  - Hosted multiple Webinars on behalf of SAIL, having guests from multiple domains in and out of the Industry.
  - Composed the **INTER IIT** Newsletter on various Institution achievements. Reached **60,000+ people** in the IITs.
  - Actively participated in **Networking** with IIT Guwahati Alumni and created a strong Network.

## ACHIEVEMENTS

- **JAM 2021:** Secured **AIR 83** among **13,000+** candidates in Mathematics. 2021
- **Inspire Scholarship for Higher Education(SHE 2017):** Obtained the National Research Scholarship by securing a position in the **top 1%** among the students of WBCHSE. 2017 - 2020

## EXTRACURRICULAR ACTIVITIES

- **Organizer, Virasat 2022:** Served as an Organizer for Virasat 2022, a 4-day event for the entirety of IIT Guwahati community with **6000+** members. 2022