Shibasish Shaw

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M.Sc. Mathematics and Computing

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Department of Mathematics

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Indian Institute Of Technology, Guwahati

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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*

  Dr. Ashok Singh Sairam/ IIT Guwahati Github ⬀
  - 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*

  Personal Project Drive ⬀
  - 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 Pattern, Ratios, Barriers to Entry** and, **Rivalry** are covered. Report dashboard using **Tableau** for visualization is portrayed.

- **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*
- **Miscellanous**: 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 Institutional 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 all the students** of WBCHSE. *2017 - 2020*

EXTRACURRICULAR ACTIVITIES

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