Shankha Suvra Dam

8th Mile, Mysore Road, RVCE Post● Bengaluru, Karnataka: 560 059 ● bmat2339@isibang.ac.in● LinkedIn: @thedefectivedetective

Education

Indian Statistical Institute, Bangalore Centre — Bengaluru, Karnataka
Bachelor of Mathematics (Hons.), Aggregate: 87% — Year of Graduation: 2026
Relevant Coursework: Introduction to Statistics and Computation with Data, Probability, Numerical Computing, Real Analysis, Fundamentals of Computing and Programming, Introduction to Statistical Inference

Delhi Public School, Ruby Park — Kolkata, West Bengal
12th CBSE, Aggegrate: 95.6% — Graduation Date: 2023

Delhi Public School, Ruby Park — Kolkata, West Bengal
10th CBSE, Aggegrate: 90.8% — Graduation Date: 2021

Leadership & Activities

Math Club — Indian Statistical Institute, Bangalore Centre
Technical Team Member — February 2024 – current
- Responsible for maintaining the Math Club website, and regularly updating it
- Introduced new setups for broadcasting of Math Club talks for greater efficiency and polish

Limit — Indian Statistical Institute, Bangalore Centre
Technical Committee Head, Core Committee Representative — April 2024 – current
- Updated and setup the website for Limit examination
- Added a payment portal, reviving the previously abandoned examination after being hit by lack of volunteers

Cultural Committee — Indian Statistical Institute, Bangalore Centre
Member — October 2024 – current
- Building the Student Council website for better coordination and reach (Ongoing)
- Organising various cultural events in campus

Mess Committee — Indian Statistical Institute, Bangalore Centre
Volunteer — October 2023 – April 2024
- Responsible for coordinating with vendors to ensure regular supplies for Students' Mess
- Participated in creating menu for the Mess

Certifications

CS50-Python — Online, Harvard University

CS50-AI — Online, Harvard University

Machine Learning with Python — FreeCodeCamp

Data Analysis with Python — FreeCodeCamp

Skills & Interests

Technical
- **Languages:** JavaScript, TypeScript, Python, C++, R, Bash
- **Libraries:** TensorFlow, Pandas, NumPy, NLTK, GGPlot2, discord.js
- **Software:** MongoDB, Node.js, Visual Studio Code, Git

Languages
- **Bengali**: Native speaker
- **English**: Proficient (4.5/5)
- **Hindi**: Conversational Proficiency (3/5)

Interests
- Chess
- Competitive Programming
- Writing

Projects & Contributions

TheAlgorithms   September 2021 - current
- Regular contributor to the GitHub organisation `TheAlgorithms`
- The organisation is focused on providing code implementations of various common algorithms with clear documentation
- 27 accepted pull requests over 5 repositories

Limit   April 2024 - current
- A maintainer of the website
- Limit is an examination conducted by the students of ISI Bangalore for school and undergraduate students

LiteratureAPI   November 2024 - current
- LiteratureAPI is an attempt to create a tool to help track the game of Literature
- Literature is a card game which is very popular in ISI Bangalore however due to lack of popularity outside, there exist no tools to aid in organising the games offline

Achievements

IISER Aptitude Test   Indian Institute for Science Education and Research, 2023
All India Rank: 45

Scholar Badge   Delhi Public School, Ruby Park
For excellent academic performance in CBSE boards in 2021, 2023

State Top 10   Science Olympiad Foundation, 2022-23
In SOF Olympiads for Science (NSO), English (IEO) and Mathematics (IMO) 2022-2023

Chess   Online, August 2024 - October 2024
Represented Indian Statistical Institute for **India College Chess Championship 2024**

Hacktoberfest   GitHub
Completed Hacktoberfest in 2021, 2022

Links

- **Codeforces:** `RishiMath`
- **Codewars:** `SpiderMath`
- **GitHub:** `SpiderMath`
- **Hackerrank:** `shankhathefirst`
- **Leetcode:** `RishiMath`