



# Rishika Saria

Roll No.:210123051

B.Tech(Major)- Mathematics and Computing  
Minor in Data Science and Artificial Intelligence  
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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech Major	Indian Institute of Technology, Guwahati	9.45 (Current)	2021-Present
B.Tech Minor	Indian Institute of Technology, Guwahati	8.50 (Current)	2022-Present
Senior Secondary	ISC Board	95.75%	2021
Secondary	ICSE Board	98.20%	2019

## PROJECTS

- BidKaro - Online Auction Website** March 2023  
*D.E.Shaw India Pvt Ltd/Group Project* [github.com/RishikaSaria/Auction\\_Website](https://github.com/RishikaSaria/Auction_Website)
  - Used **MERN** stack to build a website that allows sellers to post their products with details and schedule the auction. Buyers can buy the products by placing bids.
  - Key functionalities include: **Auction Space**, Sorting filters(including **shipment distance**), **Calendar View**, **WatchList**, **Real-Time Chat**, **User Profile**.
- Driver Drowsiness Detection** May 2023  
*Consulting and Analytics Club/Group Project* [github.com/RishikaSaria/DriverDrowsiness](https://github.com/RishikaSaria/DriverDrowsiness)
  - Trained a **heuristics-based Neural Network** to monitor driver's facial expressions, detect drowsiness in real-time.
  - OpenCV** and **dlib** were used to locate specific landmarks on the driver's face.
  - Facial features like **MAR**, **EAR**, **MOE** and **PUC** were used to train the model.
- Full-Stack Blog Application** Nov. 2022  
*Personal Project* [github.com/RishikaSaria/chatblog](https://github.com/RishikaSaria/chatblog)
  - Used **MERN** stack to build a full-stack chat blog application that allows users to read, post, and edit blogs.
  - Implemented user-authentication using **JWT**.
  - Passwords were hashed before storing in the database using **bcryptjs**.

## TECHNICAL SKILLS

- Programming:** C++, Python\*
- Web Technologies:** HTML, CSS, React.js
- Database Management:** MySQL, MongoDB\*
- Frameworks:** Numpy, Pandas, Matplotlib\*, Seaborn\*
- Miscellaneous:** Node.js\*, Express.js\* \* Elementary proficiency

## KEY COURSES TAKEN

- Mathematics:** Probability Theory\*, Elementary Number Theory and Algebra\*, Discrete Mathematics, Linear Algebra, Financial Engineering(AS grade).
- Computer Science:** Design and Analysis of Algorithms\*, Data Structures\*, Computer Architecture and Organization, Database Management Systems\* (Theory and Lab). \* AA grade awarded

## ACHIEVEMENTS

- First Prize in JuniHers Cohort**, for project **BidKaro** awarded by D.E.Shaw India. 2023
- Department Rank 1**, Mathematics and Computing branch. 2022
- DESI Ascend Educare Mentee**, Selected among **top 40** girls in the country, D.E.Shaw India. 2022
- Institute Merit Scholarship**, awarded for ranking **1st** among **80+** students in my batch. 2022
- TechGig Geek Goddess Coding Challenge**, secured Rank **109** among **75k+** participants. 2022
- State Topper**, Indian Olympiad Qualifier in Physics. 2021
- State Topper**, Indian Olympiad Qualifier in Chemistry. 2021
- AIR-1773**, in JEE MAINS among **1.1** million candidates. 2021
- AIR-2035**, in JEE ADVANCED among **0.15** million candidates. 2021
- KVPY Scholar**, Rank 709-SA stream, Rank 1586-SX stream out of **50k** candidates. 2019,2020
- State Rank 7**, Indian Certificate of Secondary Education (ICSE) out of **40k** students. 2019

## POSITIONS OF RESPONSIBILITY

- Mentor**, Peer-Mentorship Saathi Club, IIT Guwahati. Nov 2022-Present
- Associate**, Consulting and Analytics Club, IIT Guwahati. Mar 2022-Apr 2023
- InA Manager**, UDGM(Annual Entrepreneurship Summit), IIT Guwahati. Sept 2022-Mar 2023
- Senior Executive**, Entrepreneurship Club, IIT Guwahati. May 2022-Mar 2023