



Rashi Mohta

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B.Tech - Mathematics and Computing
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Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2018 - Present	B.Tech	Indian Institute of Technology, Guwahati	7.95 (Current)
2018	Senior secondary	Telangana State board	97.7%
2016	Secondary	CBSE board	10.0

Projects

- **Concentration Inequalities, Reading Project** *Ongoing*
Dr. Subhamay Saha, Assistant Professor of Mathematics Department, IIT Guwahati
Learning different inequalities in the context of the probabilistic method like Bernstein's Inequality, Association Inequalities, etc. majorly from the book **Concentration Inequalities: A Non-Asymptotic Theory of Independence** by Gabor Lugosi, Pascal Massart and Stephane Boucheron
- **MNIST Handwritten Digit Classification**
Developed and implemented a simple Convolutional Neural network model to classify handwritten digits from 0-9 using the MNIST dataset.
- **Iris Flowers Classification ML Project**
Used linear as well as nonlinear algorithms to make and evaluate predictions on the type of a given flower using the Iris dataset.

Technical skills

- **Programming languages:** C, C++, Python
- **Operating system:** Windows, Linux
- **Web technologies:** HTML, CSS
- **Database management :** mySQL*
- *Elementary proficiency

Coursework

- Machine Learning on Coursera(Supervised Learning)
- CS231n: Convolutional Neural Networks for Visual Recognition by Stanford University
- Linear Algebra
- Advanced Calculus
- *To be completed in May 2020
- Introduction to Computing and its lab
- Probability Theory and Random Processes
- Data structures and its lab
- Database Management Systems and it's lab*
- Design and Analysis of Algorithms*
- Financial Engineering*

Achievements

- **Joint Entrance Examination 2018:** Secured a 99.9 percentile among 1.22 million candidates appearing for the test
- **KVPY 2017-18:** Secured a position in the top 1%.
- **Mathematics Olympiad 2016, by IIT Bombay:** Shortlisted in the top 50
- **DEXTER 2016, Nationwide Aptitude Aptitude Test by VNIT Nagpur:** Shortlisted in the top 50
- **Dr. Homi Bhabha Balvaidyanik Competition 2012, conducted by MSTA:** Silver Medalist, final round

Positions of Responsibility

- **Core Team Member**, Nexus and Exhibitions, Techniche 2020 (The Annual Techno-Management Fest of IIT Guwahati)
 - Head of Module: Nexus
 - A core team of 3 members leads a team of 10 organizers throughout the year
- **Organizer**, Nexus and Exhibitions 2019
- **Project Manager (2019-20)**, Lumiere- The Moviemaking Club of IIT Guwahati
- **City representative**, Technotholon 2019, Amravati.

Extracurriculars

- **Product Management Expedition, Udgam 2020:** Worked on ensuring quality in crowdsourcing annotations for Playment, a data labeling platform which provides training data for computer vision models.
- **Creative Shock 2019, a global business case study competition:** 94th position worldwide
- **Inter IIT Cultural Meet 4.0 2019:** Member of contingent, Movie Module
- **Saathi Club, IIT Guwahati:** Mentor
- **Alcheringa 2018(The Annual Cultural Festival of IIT Guwahati):** Anchor