



ADITYA GUPTA

Roll No.:210123080

B.Tech - Mathematics and Computing

Minor in Data Science and Artificial Intelligence

Indian Institute Of Technology, Guwahati

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Github | Website

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.57 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	8.00 (Current)	2022-Present
Senior Secondary	CBSE Board	95.6%	2021
Secondary	CBSE Board	96.2%	2019

PROJECTS

- Stock Price Simulator** Jan. 2023 - Feb. 2023
Finance and Economics Club, IIT Guwahati Github
 - Used yfinance API to extract financial data for a particular ticker symbol, plotted KDE corresponding to historical returns using seaborn library
 - used monte carlo simulation to predict future trends of the stock price and plot the simulations
- Option Price Calculator using Black Scholes Equations (Ongoing)** Feb. 2023 - Present
provided by Arabin Kumar Dey as CourseWork Github
 - Using Django as Framework for Backend and will be using HTML and CSS for Front-end development
 - will be using Black Scholes equation to calculate option prices using the input parameters

TECHNICAL SKILLS

- Programming:** C++, C, PYTHON
- Data Science:** Matplotlib, Pandas, Jupyter Notebook
- Database Management:** SQL
- Web Development:** HTML, CSS, JAVASCRIPT*, Django*
- Operating Systems:** Windows, Linux* * Elementary proficiency

KEY COURSES TAKEN

- Computer Science:** Data structures, Database Management (Ongoing), Design and Analysis of Algorithms (Ongoing), Introduction to C, Computer Organisation and Architecture, Digital Design
- Mathematics:** Discrete Mathematics, Probability Theory and Random Processes, Linear Algebra, Number Theory and Algebra, Financial Engineering-1 (Ongoing)
- Data Science and Artificial Intelligence:** Mathematical Foundations of Data Science, Artificial Intelligence (Ongoing)

POSITIONS OF RESPONSIBILITY

- Senior Executive,** E-Cell, IIT Guwahati Mar. 2022 - Present
- Executive Manager,** Techniche, IIT Guwahati Jan. 2022 - Sep. 2022

ACHIEVEMENTS

- AIR 1691,** JEE ADVANCED among 1,40,000+ candidates 2021
- AIR 788,** JEE MAINS among 1 million+ candidates 2021
- KVPY fellow,** by getting AIR 1366 2021
- All State Rank-20,** Junior Science Talent Search Examination By Directorate Of Education, Delhi Government 2018
- Qualified For INMO,** by securing Regional Rank of 13 in RMO Conducted By HBCSE From Delhi region 2019
- State Level Winner,** in Vidyarthi Vigyan Manthan 2019
- Pupil with Max Rating 1210** , on CodeForces 2022
- Dvision 2 Coder,** on CodeChef 2022
- 6 Star Coder(Problem Solving),** on HackerRank 2022