



Dinesh Jakhar

Roll No.:222123021

M.Sc. - Mathematics and Computing

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Sc. Mathematics and Computing	Indian Institute of Technology, Guwahati	7.2	2022-2024
B.Sc.Physical Science with Chemistry	Hindu College, University of Delhi	7.697	2018-2021
Senior Secondary	CBSE Board	90.6%	2018
Secondary	CBSE Board	9.2	2016

PROJECTS

- Real Time Chat App - ChatterBox** June 2023 - July 2023
Coding Club (Team of 3) [Github](#)
 - Created a live chat application using **MERN** stack alongside **Socket.IO** to facilitate real-time messaging.
 - Executed real-time message updates through Socket.IO's event-centric communication
 - Used robust user authentication protocols, like **JWT** (JSON Web Tokens), for secured token-based authentication.
- Ed-Tech Platform- Vidyut** August 2023 - Present
Self [Github](#)
 - Created an Ed-Tech platform using **MERN** stack to make content creation, consumption, and rating easier.
 - Built a single, cohesive architecture, optimizing media management with **Cloudinary** and enhancing security using **JWT** and **Bcrypt**.
 - Set up smooth communication through **RESTful APIs** for key functions like user login, creating and taking courses.
- Fundamental Stock Analysis** Dec 2022 - Jan 2023
Self [Github](#)
 - Conducted stock price analysis through EDA by scraping data from screener.in using **Selenium**.
 - Developed EDA report in Python utilizing **Pandas**, **Matplotlib**, and **Seaborn** for data visualization and insights.

TECHNICAL SKILLS

Programming: C/C++, Python*

Database Management: MySQL, MongoDB

Data Analysis: Numpy, Pandas, Seaborn, Matplotlib

Web Development: HTML, CSS, JS, ReactJS, Node.js

Operating System: Windows, Linux

Miscellaneous: MS-Excel, MATLAB, Git*, LaTeX

* Elementary proficiency

KEY COURSES TAKEN

- Computer Science:** Data Structure and Algorithms, Database Management System, Theory Of Computation
- Mathematics:** Probability Theory, Discrete Mathematics, Linear Algebra, Graph Theory, Optimization Techniques
- Finance:** Mathematical Finance

POSITIONS OF RESPONSIBILITY

- Post Graduate Senator**, Student's Gymkhana Council, IIT Guwahati April 2023 - Present
 - Demonstrated proactive commitment by attentively addressing the diverse requirements of over **3000** PG students. Skillfully identified their challenges and effectively advocated for their resolution during senate sessions, fostering an environment of mutual enhancement for both students and the institution.
- Core Team Member**, Social Service Club, IIT Guwahati September 2022 - April 2023
 - Being a core member of the Club, I managed numerous projects and organized activities like the Welcome Onboard event, plantation drives, blood donation campaigns, cleanliness campaigns, donation collections, and various workshops to raise awareness about topics like Menstrual Health and more. Throughout my time, we worked with many social groups and NGOs to gain external assistance and funding for our initiatives.

ACHIEVEMENTS

- GeeksForGeeks**, Rank **40** in institute among **5000+** students. Present
- JAM**, Secured **AIR-241** in Joint Admission Test for Masters (JAM) 2022
- Inter IIT Contingent**, Selected to represent IIT Guwahati in Volleyball 2022
- AFCAT**, Cleared AFCAT and appeared for SSB 2021

EXTRACURRICULARS

- Spardha (InterHostel Sports Tournament)**, Won Gold in **Volleyball**, Silver in **High Jump** and **Water Polo**. 2023
- Prayatana, IITG**, Organized a cycling event of **100+** students to promote awareness about AIDS. 2023