Dinesh Jakhar

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M.Sc. - Mathematics and Computing
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⊙Github | ⊛Portfolio | inLinkedIn

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Sc. Mathematics and Computing	Indian Institute of Technology, Guwahati	7.10 (Current)	2022-Present
B.Sc.Physical Science with Chemistry	Hindu College, University of Delhi	7.69	2018-2021
Senior Secondary	CBSE Board	90.6%	2018
Secondary	CBSE Board	9.20	2016

PROJECTS

- **Tours And Travel Management System** *August 2023 - Present*
  Prof. Kalpesh Kapoor, Dept of Mathematics, IIT Guwahati (Team of 4) Github
  – Developed a **Django**-based travel site to integrate fellow travelers and other service providers
  – Designed user interface using **HTML/CSS** to create, enroll in, and manage trips
  – Used **PostgreSQL** for database management of all service providers to ensure efficient data handling

- **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

- **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

TECHNICAL SKILLS

- **Programming**: C/C++, Python
- **Web Development**: HTML, CSS, JS, ReactJS, Node.js
- **Database Management**: MySQL, MongoDB
- **Operating System**: Windows, Linux
- **Data Analysis**: Numpy, Pandas, Seaborn, Matplotlib
- **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
  – Fostered an environment of mutual enhancement for both students and the institution

- **Core Team Member**, Social Service Club, IIT Guwahati *September 2022 - April 2023*
  – Managed numerous projects and various workshops to raise awareness about topics like Menstrual Health and more
  – Organized events like Welcome Onboard, Plantation drives, Blood Donation Campaigns and Cleanliness Drives
  – 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 Contigent**,Selected to represent IIT Guwahati in **Volleyball** *2022*
- **AFCAT**,Cleared AFCAT and appeared for SSB *2021*
- **State Level Medallist**,Won Bronze Medal in High Jump *2017*

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*