Muskan

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B.Tech: Civil Engineering
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.90 (Current)	2023-Present
Senior Secondary	CBSE Board	97.6%	2023
Secondary	CBSE Board	94.2%	2021

PROJECTS

- **EdTech Case Study** — *August, 2024*
  Data Beyond Boundaries, Vista, IIM Bangalore — Drive
  - Performed comprehensive **Survival Analysis**, in-depth **Exploratory Data Analysis** (EDA), **Feature Importance evaluation**, and **Partial Dependence Plots** to identify the most influential factors affecting course completion rates.
  - Generated detailed and **actionable insights** aimed at enhancing **student engagement** and optimizing **program effectiveness**, with a strong focus on addressing key drivers that influence course completion outcomes.

- **JOSAA Analysis Portal** — *June,2024*
  Even Semester Projects, Coding Club, IITG — Github
  - **Ranklytics** analyzes JOSAA data from **2016-2023** to deliver valuable insights into **rank vs. college counseling trends**, highlighting **popular branches** and offering a detailed breakdown of **college-wise branch popularity**.
  - Additional features include providing **potential college choices** based on rank, analyzing **trends in new branch demand**, and generating detailed **personalized preference lists** for enhanced decision-making in college admissions.
  - The **development** was carried out using HTML, CSS, JavaScript, and Django, with **web scraping** handled by Selenium. Data was **cleaned** and **processed** using NumPy and Pandas, **visualizations** were created with Plotly.

- **Decentralized Application** — *April 2024*
  Blockchain and Web 3.0 Project, FEC — Github
  - Built a highly user-friendly **decentralized application** (dApp) using **HTML, CSS, and JavaScript**, featuring an intuitive and responsive interface that allows users to easily **manage and track their moods** with minimal efforts.
  - Successfully integrated a robust **Solidity smart contract** deployed on the **Ethereum Sepolia** testnet, enabling seamless and secure interaction between the dApp and the blockchain for efficient **mood management and tracking**.

ACHIEVEMENTS

- **Vista IIM Banglore 2024**, Secured **5th rank** in final round of Data analytics competition — *2024*
- **JEE Advanced 2023**, Secured **24320 CRL** among 0.19 million candidates appeared, in **Top 13.5%** — *2023*
- **JEE Mains 2023**, Secured **31923 CRL** among 1.2 million candidates appeared, in **Top 2.867%** — *2023*
- **Olympiad**, Secured **4th rank** in school — *2020*

SKILLS

- **Programming**: C, C++*, Python*, Solidity*
- **Development**: HTML, CSS, JavaScript*, React*, Flutter*
- **Softwares**: Figma, Canva, MS Suites, Flowise
- **Miscellaneous**: NumPy, Pandas, Git*, Selenium* ** Elementary proficiency*

KEY COURSES TAKEN

- **Finance**: Fundamental Analysis Bootcamp, Blockchain and Web 3.0, Introductory Options
- **Computer Science**: Basic C programming, Beginning with DSA
- **Consulting**: Course by Consulting and Analytics Club IIT Guwahati
- **Mathematics**: Real Analysis, Linear Algebra, Basic Calculus, Differential Equations
- **Product Management**: Product Matters 4.0 (E-Cell, IIT Guwahati)

POSITIONS OF RESPONSIBILITY

- **Junior Designer**, Students' Web Committee, IIT Guwahati — *Sept. 2024-Present*
- **Associate**, Consulting and Analytics Club, IIT Guwahati — *May 2024-Present*
- **Associate**, Finance and Economics Club, IIT Guwahati — *April. 2024-Present*
- **Organizer**, Workshops, Events, Techniche 2024, IIT Guwahati — *Feb. 2024- Sept. 2024*
- **Associate Executive**, Public Relation and Branding, Alcheringa 2024, IIT Guwahati — *Nov. 2023-March. 2024*

EXTRACURRICULARS

- **Costume Designing**, ranked **1st** in inter-hostel costume designing competition
- **Art Magazine**, curated exclusively for school community