



Aarohan Gupta

Roll No.:220106001

B.Tech - Biosciences and Bioengineering

Minor in Product Design

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. BSBE	Indian Institute of Technology, Guwahati	9.04 (Current)	2022-Present
B.Tech. Product Design	Indian Institute of Technology, Guwahati	9.5 (Current)	2023-Present
Senior Secondary	CBSE Board	97.6%	2022
Secondary	CBSE Board	97.2%	2020

EXPERIENCE

- Molecular Biology and Cellular Aging Lab** Oct. 2023 - Present
Research Intern IIT Guwahati
 - assisted Dr. Shirisha Nagotu and Tanveera R. Sharidhi in Day to Day Lab work.
 - worked on *S.cerevisiae* as model organism, learned various **"Wet Lab" Techniques and Research Strategies.**

PROJECTS

- Trumio - High Prep Project** Nov. 2023 - Dec. 2023
For 12th Inter I.I.T. Tech Meet at Madras Report
 - Ideated for 3 standalone applications over **Trumio's University Ecosystem Platform**, Validated the ideas from 60+ Alums and 100+ students. Later, worked with the DEV team to make Prototypes.
 - Project was a team effort, all of us collaborated on Secondary Research, Archetype Recognition, Conducting Meets with Alumni to understand problems they faced, and Financial/ Business Model analysis for the Uni-connect app was also done under this month-long project.
- Union Budget Analysis 2024** Feb. 2024
For Finance and Economics Club, IITG Report
 - Project involved analyzing Interim Union Budget for FY24-25.
 - With team efforts, we published the **report within 18 Hrs** of Announcement of Annual Financial Statement.
- Portfolio Optimization using Python Libraries** May. 2024
Personal Project inspired by FEC Code
 - Project involved usage of Python libraries such as Numpy, Pandas and Seaborn for finding optimal weights for various shares in portfolio.
 - With help of data from yfinance and manipulations, I was able to generate **Markowitz Mean Variance Curve**, and then obtained the point with **maximum Sharpe Ratio** and the corresponding portfolio weights of shares.
- Mutual Fund Management** Oct. 2023 - Dec. 2023
For Finance and Economics Club, IITG
 - Conducted fundamental analysis of 50+ small & mid-cap companies to shortlist 10 companies from 9 sectors.
 - Structured and co-authored the equity research report and executed DCF valuation for the 3 companies from Healthcare, IT and FMCG sector- Narayana Hrudayalaya, Mphasis and Emami.

TECHNICAL SKILLS

- Programming:** Python (along with Numpy and Pandas) and C/C++
- Web Development:** HTML and CSS
- Financial and Consulting:** Fundamental Analysis, *Consulting and Introductory Options
- Others:** Figma(Designing) and MS-Office * Elementary proficiency

POSITIONS OF RESPONSIBILITY

- **Core Team**, IIT Guwahati Model United Nations, Alcheringa 2024 Apr. 2024 - Present
- **Core Team**, Finance and Economics Club, IIT Guwahati Apr. 2023 - Present
- **Core Team**, Election Commission IIT Guwahati 2024 March 2024

ACHIEVEMENTS

- **Silver Medal**, Trumio's University Project Ecosystem Challenge , at 12TH Inter IIT Tech Meet, Madras 2023
- **Received Institute Merit Scholarship (IMS) - 2023-24**, for scoring highest SPI in Semester I & II 2024
- **Among Top 31% of Submissions**, CBS Case Competition(Novo Nordisk)->Report 2024
- **Runners Up**, PITCHERS HUNT Challenge, ZEE5 , Guwahati City 2022

EXTRA-CURRICULAR

- Organising Roles in Fests** Jan. 2023 - Present
 - **Volunteer**, for Research and Industrial Conclave 2024, IIT Guwahati
 - **Organizer**, during 25th Edition of Techniche, Annual Tech-Fest of IIT Guwahati
 - **Secretariat & Jr. Secretariat**, during 28th & 27th Edn. of Alcheringa, Annual Cult-Fest of IIT Guwahati