Aum Jain			19B080008		
Economics			B.S.		
Indian Institute of Technology, Bombay			Gender: Male		
			DOB: 23-05-2001		

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	
Intermediate	HSC	Sri Chaitanya Junior College	2019	88.46%
Matriculation	ICSE	Wisdom World School	2017	97.80%

SCHOLASTIC ACHIEVEMENTS

- Currently pursuing a minor degree in **Artificial Intelligence and Data Science**, C-MInDS IIT Bombay *[Present]*
- Presently ranked **5th** in the BS Economics 4-year programme, Department of Humanities and Social Science *[Present]*
- Selected as a **UG Teaching Assistant** for **40+** students for **MA111 - Calculus** based on subject prowess *[May'15]*
- Secured **99.2** percentile among 0.2 Million candidates in the **JEE Advanced** examination *[Jun'19]*
- Achieved **99.8** percentile among 1 Million candidates in the **JEE Main** examination *[Jun'19]*
- Bagged **99.8** percentile in the **10th Board** ICSE Examination amongst 0.25 million applicants *[Jun'17]*
- Acquired 418/450 in the Admission Test to the Birla Institute of Technologies **(BITSAT)** *[May'17]*

PROFESSIONAL EXPERIENCE

Ernst and Young (EY), Mumbai | Risk Analyst *[Dec'20]*
- Built a model from **10K+** data points to predict the creditability of borrowers on the basis of 10 distinct parameters
- Implemented a **credit risk model** to predict the cash reserve which bank must maintain to absorb losses on default
- Deployed the model on a dataset of **10K+** people upon analyzing the guidelines established by the Basel II committee

The Sparks Foundation, Singapore | Data Analyst *[May'20]*
- Analyzed **10K+** data entries of a retail superstore using Python libraries and gave suggestions to help increase profits
- Segmented sales on the basis of geography, product type and discount to identify areas of extreme profit margins
- Implemented a decision tree to classify flowers on the basis of sepal and petal features, achieving an accuracy of 90%

The Money Roller Team, Mumbai | Equity Research Analyst *[May'20 - Jun'20]*
- Selected on the basis of an objective assessment testing several important finance concepts and valuation techniques
- Analyzed **annual reports** and RHP of **Sterling and Wilson** to inspect its business model and financial statements
- Conducted a peer comparison, ESG analysis and financial ratios analysis to determine investing options in the stock

Walnut Health, Delhi | Business Analyst *[May'20]*
- Conducted market research and analyzed market trends to predict the scope of Indian healthcare in the near future
- Performed a **SWOT** analysis and **Porter's 5-Force** analysis to determine opportunities in the health-tech industry

KEY PROJECTS

Pattern Recognition | Seasons of Code, IIT Bombay *[May'20 - Jun'20]*
- Deployed a song suggestion algorithm using **K-Nearest Neighbour's** and classifying songs according to their genre
- **Simulated a pandemic** taking into account variables like population densities and constraints on infrastructure
- Built a **multivariate regression model** to predict the chances of admit to universities on the basis of 5 parameters

Monetary Policy Transmission Mechanism | Course: Money and Banking | Prof: Puja Padhi *[Mar '21]*
- Studied the implications of Sticky Prices, Taylor rule, **Repo rate** and **Federal Funds rate** in the financial system
- Analyzed the **4 primary channels** of policy transmission, the intensity of impact and limitations of each

Analyzing Consumer Price Index | Course: Statistics | Prof: Rama Pal *[Oct '20]*
- Prepared a detailed report on the method of calculation of CPI, uses, limitations and its sensitivity to several factors
- Analyzed the seasonality in monthly CPI of India and corrected it to draw meaningful conclusions regarding inflation

Crop Yield Prediction | Course: Introduction to Machine Learning | Prof: Biplab Banerjee *[Mar '21]*
- Collected, organized and analyzed 200K+ rows of agricultural data to predict crop productivity and crop prices
- Trained and compared various regression models, achieving a maximum accuracy of more than **85%**

TECHNICAL SKILLS

- **Softwares:** Excel, Tableau, AutoCAD
- **Programming:** C, C++, Python, LaTeX
- **Libraries:** Numpy, Pandas, Matplotlib, Seaborn,Sklearn,

POSITIONS OF RESPONSIBILITY

Institute Basketball Secretary | IIT Bombay Sports *[Apr'21-Present]*
*Part of a **17** membered team, selected via a procedure comprising presentation of a manifesto followed by an interview*
- Meticulously managing a budget of over **INR 0.5 Million** for upkeep of basketball facilities for the institute team
- Conducted the **NBA Playoffs Prediction Contest** with a participation of **200+** and a prize fund of **INR 7.5K**
- Launched the official Instagram page with a reach of **5000+** people in 2 months through regular and directed posts
- Conceptualized and executed **Freshiesta**, an online weekend event for **500+** freshmen participating in **10** games

Institute Student Mentor and Department Academic Mentor | ISMP, IIT Bombay *[Jun'21-Present]*
*Part of a **133** membered team, selected through a rigorous process of SOP's, interviews and peer reviews*
- **One of only 13** third-year students selected to mentor a group of incoming freshmen among a batch size of **1K**
- Responsible for mentoring 6 sophomores from the department to ensure smooth transition into the academic life at IIT Bombay and support their overall growth, taking special care of the issues and gap created due to virtual setting

Institute Sports Convener | IIT Bombay Sports *[Apr'20-Apr'21]*
*Part of a **36** membered team of the institute, selected through a rigorous process of SOP's, interviews and peer reviews*
- Executed the Virtual Run amidst the pandemic with a prize fund of **INR 22K** and participation of **1300+** people
- Conducted the Aavhan Online Chess Open with a prize fund of **INR 64,000** and **550+** participants from **7** countries
- Conducted **100+** fitness sessions for the Basketball Team to ensure physical fitness amidst the pandemic

Class Representative | Deparment of Humanities and Social Sciences *[Aug'19-Jun'21]*
*Elected representative of the BS '19 Economics batch for **2 consecutive tenures** based on peer reviews*
- Assisted professors in rescheduling and restructuringacademic evaluation during unprecedented circumstances
- Aided professors in setting up online classes and assessments to ensure smooth progress in the **online semester**
- Organized a **mentorship session** between the faculty advisor and the students to resolve academic issues

KEY COURSES UNDERTAKEN

- **Computer Science:** Introduction to Programming & C++, Introduction to Machine Learning
- **Mathematics:** Calculus, Linear Algebra, Statistics, Introduction to Probability and Stochastic Processes
- **Economics:** Microeconomics, Macroeconomics, Maths for Economics, Money and Banking

CERTIFICATIONS

- **Algorithmic Toolbox:** A course on Algorithms and Data Structures offered by UC San Diego
- **Financial Acumen for Managers:** A course on financial statements and DCF analysis by Wharton University
- **Neural Networks:** A course on perceptron implementation and pattern recognition by deeplearning.ai

EXTRA CURRICULAR ACTIVITIES & ACHIEVEMENTS

Awards	• Conferred with the **Ambrose Otieno** Institute Sports Award (1 in 10,000) by Institute Gymkhana • Won a **Bronze medal** at the 54th Inter IIT Sports Meet as a member of the Institute Chess team • Bagged a Silver medal and the best speaker award at an Intraschool Debate competition • Secured a Silver medal at the Chess General Championship 2019, winning 4/5 games • Led the chess team (as captain) to win a silver medal at Freshiesta, a weekend fest for freshmen • Was the lead-scorer for the basketball team which won a **silver medal** at Freshiesta 2019
Sports	• **Sole freshman** in the Basketball team which made it to the knockout stages at the 54th Inter-IIT • Achieved an **International Rating** of 1591 from the World Chess Federation (FIDE) • Represented Pune at the Maharashtra **State Chess Championship** in 3 consecutive years
Social	• Worked for **Eduride** – an initiative to help students reach exam centres amidst lockdown • Fundraised an amount of **INR 13K+** for the Rahat Covid-19 campaign by **NGO Goonj**
Miscellaneous	• Performed in front of a crowd of **1K+** people at the Annual **Poona Musicale** choir event • Participated in a pan-India **Case study** competition held by IIT Delhi on the Tiktok ban