

Pursuing a **Minor in Artificial Intelligence & Data Science**, CMInDS IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Department rank **3** in a batch of **135 students** in the department of Metallurgy and Materials Science (*Present*)
- Secured an All India percentile of **99.58** in the **JEE Main** examination among **0.93 million** candidates (*2021*)
- Secured an All India percentile of **97.8** in the **JEE Advanced** examination among **0.15 million** candidates (*2021*)
- Invited to **IISc Bangalore** for a technical interview after clearing the **KVPY SA** written aptitude test (*2019*)

ENTREPRENEURSHIP EXPERIENCE

ViBe Basket | *Co-founder* | *Entrepreneurship Project* (*Oct'22 - Present*)
AI-based logistics tool simplifying group outings through professionally curated suggestions

- Awarded a **grant** of **INR 50,000** by Desai Sethi School of Entrepreneurship, IIT Bombay under the IDEAS program
- Designed and administered 2 surveys that recorded **400+ responses** from college students covering **35+ institutes**
- Cleaned and simplified the survey data to validate our assumptions and found a **gap** in the **travel market**
- Conceptualised a revenue model and formalised an **early stage solution** by building **wireframes** on **Figma**

KEY PROJECTS AND COMPETITIONS

Optimal Strategies in Football | *Course Project* | *Prof. Amit Sethi* (*Nov'22*)

- Analysed **500k+** player and team performance data points to explain **15+** trends like attendance and representation
- Employed visualization charts like bar plots, scatter plots, radar plots, and KDE plots offered by **Matplotlib** and **Seaborn** to perform **Exploratory Data Analysis** and **Descriptive Analysis** of attributes of the strongest teams
- Utilized **Spearman's Correlation Coefficient** to identify key areas of the pitch and prescribed optimal strategies

Product Management Case Competition | *Gainsight & Consult Club* (*Mar'22*)

- Ranked **3rd** out of **150+ teams** for curating an application to streamline communication in the Product team
- Put together **wireframes** for **3 user profiles** to demonstrate the on-boarding and end-to-end user journey
- Quantified the success of the application by defining the data to be collected such as **5+ time series metrics**

Investment Biases | *FinSearch* | *FPL Technologies & Finance Club* (*Aug'22*)

- Analysed human biasing tendencies through **Tim Richard's Investing Psychology** and **3+ research papers**
- Identified flaws in investment strategies through **30+ social experiments** and formulated **debiasing** methods
- Measured volatility using **Deviation Method** and **Mean regression** to evade herd mentality in crypto-markets

Analysis of Housing Material Data | *Course Project* | *Prof. Amit Sethi* (*Sep'22*)

- Incorporated **Pandas** and **NumPy** to perform extensive data cleaning and manipulation on NDAP's data-set
- Implemented functionalities of Python libraries **Matplotlib** and **Seaborn** to visualise and interpret the data
- Analysed **Q-Q plots** for various distributions, conducted statistical testing, and introduced **MLE parameters**

Consumer Theory | *Summer of Science* | *Math & Physics Club* (*Jul'22*)

- Employed **Hal Varian's Intermediate Economics** book to explore Microeconomics and Consumer Theory
- Analysed consumer trade-offs, using **budget constraint optimization** with the help of **indifference curves**
- Formulated and administered a questionnaire to **model** the **expenditure** of a customer of a local food joint

EXTRACURRICULARS

Sports	<ul style="list-style-type: none">• Represented Karnataka in CISCE Football Nationals after winning the State Levels (<i>'18</i>)• Won 25+ Intra-State football tournaments in 5 years for Greenwood High, International School (<i>'19</i>)• Represented the Vibgyor High skating team and won medals in Inter-School level competitions (<i>'13</i>)
Cultural	<ul style="list-style-type: none">• Artwork featured in Babun Ghosh Arts School, Bangalore's Annual exhibition (<i>'13</i>)• Member of the Vibgyor High School Choir, that took part in Inter-School competitions (<i>'13</i>)
Social	<ul style="list-style-type: none">• Set-up a stall to collect funds for toys for less fortunate children suffering from cancer (<i>'18</i>)• Participated in cleaning and rejuvenating the Somasundarapalya Lake, Bangalore (<i>'12</i>)• Participated in a silent protest against the toxic gases emitted by the KCDC plant (<i>'18</i>)
Misc.	<ul style="list-style-type: none">• Recieved a Prize of Recognition at State Level UCMAS Abacus Arithmetic Competition (<i>'11</i>)• First completer of the Kumon Math program in a centre of 250+ students at the age of 15 (<i>'18</i>)