



**Dhairya Jain**  
**Economics**  
**Indian Institute of Technology Bombay**

**18B080006**  
**UG Second Year**  
**Male**  
**DOB: 18/03/2001**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2020	8.48

## SCHOLASTIC ACHIEVEMENTS

- Currently pursuing a **Minor** degree in **Industrial Engineering and Operations Research** (present)
- Scored **91.4%** in Class 12 Board Examinations conducted by Central Board of Secondary Education (2018)
- Presently holding **Department Rank 6** in Department of Humanities and Social Sciences (present)
- Secured **All India Rank - 1209** in JEE Mains among over **1.1 million** candidates (2018)
- Achieved **All India Rank 1886** in JEE Advanced among over **0.15 million** candidates (2018)

## KEY PROJECTS

**Time Series Analysis** | Statistics I Course Project (Sept' 2019)  
Prof. Puja Padi, Humanities and Social Sciences, IIT Bombay

- Analysed and plotted 1 year time-series stock data of WIPRO Ltd to predict future stock market variables
- Predicted the next closing prices and returns of the company using **Exponential Smoothing techniques** and **moving averages** in **Python** and compared the accuracy of the two methods in **time-series analysis**

**Machine Learning, Neural Networks and Deep Learning** | Online Courses | Coursera.com

- Completed the lectures and assignments for the two courses on coursera.com namely **Machine Learning** and **Neural Networks and Deep Learning (in python)** using libraries like **Keras**, **Matplotlib** and **Scikit-Learn**
- Learnt the use of various **analytical techniques** used in **Image Processing** and **Artificial Neural Networks (RNN and CNN)** and trained a model on **song recommendation system** using Spotify dataset

**Sectoral & Overall Inflation Rates in India** | Macroeconomics | Course Project (Nov' 2019)  
Prof. Pushpa Trivedi, Dept. of Humanities and Social Sciences, IIT Bombay

- Extracted inflation data from raw GDP data (RBI) by using techniques like **CPI Inflation & GDP Deflator**
- Traced back the effects of major world events like housing price crisis and oil shocks on inflation rate in India
- Explained the fate of inflation rate in demonetization period using **Fisher's Monetary Exchange equation**

## POSITIONS OF RESPONSIBILITY AND WORK EXPERIENCE

**Coordinator** | Web | Student Alumni Relations Cell (SARC) (Apr' 2019 - Mar' 2020)

- Ideated and developed, in a team of 3, a **dynamic and interactive website** for ALUMINATION 2019
- Architected **SARCasM** portal using **Django** backend and implemented UI/UX using **Jquery** and **CSS**

**Economizer** | Market Research and Tech Intern (Dec' 2019 - Jan' 2020)

- Studied the **revenue models** and traced the product-relevant **RBI** and **SEBI** regulatory guidelines by analysing the case studies of **PayTM** and **Netflix** which were very crucial to the working of product
- Used **Ajax** to **dynamically** fetch data from Google Sheets using Google Sheets API and put it on a website
- Proposed a prototype and algorithm using **Machine Learning Techniques** like **PCA** and **Decision Tree Regression**, which may be used to model a person's financial behaviour which forms the heart of the product

## TECHNICAL SKILLS

Proficient in **C/C++**, **Python**, **Full-stack web development**, **Git**, **Machine Learning**, **Deep Learning**

## EXTRACURRICULAR ACTIVITIES

- Part of the music band that bagged 3<sup>rd</sup> position in **Music Arcade** (2019)
- Represented hostel 4 in **Streetplay Arcade** and secured 1<sup>st</sup> position in the competition (2018)
- Attended a lecture on **Financial Security** at SEBI, Mumbai (Prof. Pushpa Trivedi)
- Part of the **winning team** of Crossy General Championship on behalf of Hostel 4 (2018)