

# Jeet Banik

## Budding Data Scientist

I deal with numbers and models, providing insights scientifically. Keenly interested in the field of AI.



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## TECHNICAL PROFICIENCY / SKILLS

• Python • R • MySQL & Oracle SQL Developer • MongoDB • MS Excel • Minitab • Tableau • Power BI • SAS • Java

## EDUCATION

**B.Sc. (Hons.) Data Science and Analytics**

Jain University, Bangalore

2018 - Present

8.72/10 CGPA (till 4<sup>th</sup> semester)

## RELEVANT EXPERIENCE

**Summer Intern in Applied Machine Learning and Data Science @ IIT Kanpur**

April 2020 - June 2020

- Worked on a project for real-time face mask and keypoints detection during the Coronavirus pandemic, using Python and Computer Vision, in a team with another intern.
- Got trained in Data Structures, Machine Learning, Deep Learning, their applications and various related tools such as Keras, Tensorflow, OpenCV, etc.
- Interned under the supervision of Prof. L. Behera, received a Letter of Recommendation for my outstanding performance among all other peers.

**Data transcription for Swiggy @ Awign Enterprises Pvt. Ltd.**

December 2018 - January 2019

- QC Lead in a team of 11 people, got the work done in time crossing an average of >100 leads per day which was around 67% more than the goal set by my manager.
- Dealt with large amounts of data in the form of transcribed texts from images and was involved with Data Wrangling using R and MS Excel.
- My main task was to analyse the transcribed data collected by my teammates and quality check it.

## PROJECTS

**Real-Time Face Mask & Keypoints Detection during Coronavirus pandemic**

Model demo: [youtu.be/qCawXCNhDvI](https://youtu.be/qCawXCNhDvI)

- Built a deep neural network model to detect in a real-time environment if people are wearing face masks correctly and their facial keypoints are predicted on Masked faces.
- Resulted in an accuracy of 97% on the validation dataset and 98% on the test dataset, also turns out to be highly accurate in real-time too.
- Technologies used: Python, PyTorch, MTCNN, ResNet-50, OpenCV.

**COVID-19 Global Tracker [Targeted on India]**

Web-app url: [covid19www.herokuapp.com](https://covid19www.herokuapp.com)

- Developed a web application to track the Coronavirus pandemic real-time all over the world, focusing on India mainly.
- Collected the data by Web Scraping in the first few versions and APIs later, used Plotly to create the visualizations and Dash & Heroku CLI to deploy the web app.
- Technologies used: Python, Plotly, Dash, Inline CSS, Heroku CLI.

**Exploratory Data Analysis of Cereals Dataset**

Website url: [jeetbanik.wixsite.com/cproject](https://jeetbanik.wixsite.com/cproject)

- Did an EDA of the Cereals dataset including Cluster Analysis and Text Mining by data cleaning and created some beautiful word clouds.
- Created a website on Wix for the detailed analysis report as part of my university project.
- Technologies used: R, Wix.

**Weather Forecasting**

Capstone project: HarvardX Data Science

- Used various Machine Learning models to forecast the weather and finally chose the Random Forest Model, having the highest accuracy of 81%.
- Generated the project report as part of HarvardX Data Science capstone project using RMD (R Markdown).
- Technologies used: R, Tidyverse, R Markdown.

## PROFESSIONAL CERTIFICATIONS

- **Data Science - Harvard University @ edX** – R, Visualization, Probability, Inference, Modeling, Productivity Tools (Unix, Bash, Git), Wrangling, Linear Regression, Machine Learning, Capstone.
- **Applied AI - IBM @ edX** – Foundations of Artificial Intelligence, Watson AI, Chatbots, Python, AI Applications, Computer Vision.
- **Lean Six Sigma Green Belt - Anexas @ IASSC Accredited** – Six Sigma Tools, DMAIC, Lean Methodology, Minitab.

## POSITION OF RESPONSIBILITY

**Campus Ambassador @ Indian School of Business (ISB)**

December 2019 - March 2020

- Promoted the Young Leaders Programme (YLP) of Indian School of Business on campus, engaged other students and grew awareness of the programme.
- Collected relevant data of the interested students, maintained databases in MS Excel and submitted monthly reports to the manager.
- Coordinated and managed the execution of all related activities in my university, introduced 120+ attendees to YLP.

## ACHIEVEMENTS

- Secured 3rd place in the Wolf of Wall Street stock market game held by MCC, among 70+ undergraduates & graduates in Cul-Ah! 2019.
- Won multiple awards varying from 1<sup>st</sup> place to being in the top 3 mostly in 10+ drawing competitions since childhood.

## EXTRAS

**ATTENDED EVENTS:** • 7<sup>th</sup> International Conference in Business Analytics (IIM Bangalore) • Bootcamp in Big Data & Hadoop (Spotle)

**LANGUAGES:** • English • Hindi • Bengali

**INTERESTS:** • AI • Drawing • Writing • Photography • Music