Jeet Banik

Junior Data Scientist

I deal with numbers and models, providing insights statistically. 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   *2018 - 2021*
Jain University, Bangalore   *9.07 / 10 CGPA*

RELEVANT EXPERIENCE

Junior Data Scientist @ ITC Infotech   *June 2021 - Present*
- Currently working on a Time Series ML project for weekly and daily forecasts in agriculture sector, to save up to approx. INR 60 crores annually.

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.

QC Lead in 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/qCawXCNhdvl*
- 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*
- 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*
- 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.
• **Computational Thinking - *MIT @ edX*** – Computer Science, Programming using Python, Data Science.
• **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.

ACHIEVEMENTS

• National Finalist (Top 12) out of 4746 participants mainly from IIMs and IITs, held by TVS Credit in E.P.I.C Analytics Challenge 2021.
• Secured 3rd place in the Wolf of Wall Street stock market game held by MCC, among 70+ undergraduates & graduates in Cul-Ah! 2019.
• Campus Ambassador of ISB (Indian School of Business) to promote their Young Leaders Programme (YLP) from Dec 2019 – Mar 2020.

EXTRAS

ATTENDED EVENTS: • Seventh International Conference on Business Analytics and Intelligence (*IIM-B*)   • *AWS* Online Conference
   • Japan Habba Tech Fair (*IEEE - IISc*)   • Bootcamp in Big Data & Hadoop (*Spotle.ai*)   • *ODSC* AI Virtual Event

LANGUAGES: • English • Hindi • Bengali   **INTERESTS:** • AI • Drawing • Swimming • Writing • Photography • Music