

Abhiraj Biswas

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EDUCATION

University at Buffalo, The State University of New York

Masters in Data Science

Buffalo, NY
Anticipated 2023

- Cumulative GPA: 3.4/4.0
- Relevant Coursework: Data Mining, Linear Algebra, Probability, Introduction to Python

RV College of Engineering

Bachelor of Engineering in Electronics and Telecommunication

Bengaluru, India
June 2019

- Cumulative GPA: 8.78/10

PROFESSIONAL EXPERIENCE

Impact Big Data Analysis Pvt. Ltd.

Data Scientist

Bengaluru, India
June 2019 - August 2021

- Utilized python to implement regression models in existing legacy price forecasting tool for USA based fashion retailer, improving accuracy of predictions by 10%.
- Wrangled 1TB of ecommerce data stored in Snowflake warehouse to build an attribute-based clustering model for a US clothing conglomerate, improving margin by ~20%.
- Developed an automated tool using VBA to generate weekly simulations for client saving ~5 hours of manual work per week.
- Worked closely with a US jewelry franchise and designed a dashboard using Excel to monitor performance of forecasting model and keep track of the KPIs.
- Communicated with business managers on detailing client's business requirements and presented results and details of ongoing projects to team's global heads on weekly basis.

Impact Big Data Analysis Pvt. Ltd.

Data Scientist intern

Bengaluru, India
January 2019 - May 2019

- Devised an automated dashboard in Excel for a US based pet-supplies retailer to monitor performance of sales and margin.
- Contrived python module to calculate cosine similarity in recommendation system tool for a pet-supplies client in order to capture similarity between items being sold.

Indian Institute of Management

Data Analyst intern

Lucknow, India
January 2017 - March 2017

- Performed Exploratory Data Analysis (EDA) on an Airlines Price database to and built regression models to predict pricing of airline tickets.

SKILLS

- **Programming Languages:** Python, R, SQL, MATLAB, VBA
- **Machine Learning:** Google BigQuery, Snowflake, Python (e.g., scikit-learn, numpy, pandas, matplotlib, ggplot2, tensorflow, plotly)
- **Data Science & Miscellaneous Technologies:** A/B testing, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Time series, OOP, Excel, Git, PyCharm, Jupyter

ACADEMIC PROJECTS

Real time Tweet Analysis

October 2021 - December 2021

- Ideated a methodology to analyze real time sentiments behind each tweet and extract company wise trends and weather updated from it.
- Incorporated python libraries such as TextBlob to calculate polarity and subjectivity of tweets and nltk to compute frequency distribution of important words in tweets.

Classifying tsunami generating earthquakes

September 2021 - November 2021

- Collaborated with 5 graduate students on developing a methodology to classify earthquakes generating a tsunami.
- Effectuated above classifier with help of algorithms such as Decision tree, Random Forest, Gradient Boosting, Neural Networks and obtained a test accuracy of 80%.