ARYAN MISHRA

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EDUCATION

Columbia University: Columbia Engineering & Columbia Business School   **New York, NY**
M.S. in Business Analytics, GPA: 3.50/4.0   Expected Dec 2022
Relevant courses: Data Analytics, Marketing Analytics, Optimization Models & Methods, Statistics & Simulation.

Bocconi University   **Milan, IT**
B.S. in Economics, Management & Computer Science, GPA: 3.82/4.0 (105/110)   Jul 2021
Courses: Advanced Statistical Methods, Computer Programming, Econometrics, Machine Learning, Mechanism Design.

EXPERIENCE

Focus Project Europe (Spanish Ed-Tech Startup)   **Madrid, ES**
Product Management/ Data Science Intern   Jun 2021 - Sep 2021
- Led a project to build a prototype grade prediction feature using Logistic Regression & Random Forest on Python.
- Forecasted academic performance to create the prediction feature that was later scaled to a user base of **5000** students.
- Authored a white paper promoting the prototype and later presented it to over **5** educational institutions across Europe.

Bocconi University (Leading European University in the Social Sciences)   **Milan, IT**
Research Assistant - Computer Vision   Jun 2020 - Dec 2020
- Constructed and implemented Deep Neural Network (DNN) models using the Keras library on Python for object identification and image embedding.
- Built an in-house database comprising **100,000** scraped annotated images of various fashion brands for the Bocconi-Gucci Research Lab - subsequently creating a solid basis for current and future research on the fashion industry.

Kapsch TrafficCom AG (Multinational Intelligent Transportation Systems Provider)   **Vienna, AT**
Spring Data Analyst Intern (Corporate Innovation)   Feb 2020 - Mar 2020
- Analyzed social, economic, and ecological KPIs to determine the feasibility of a smart carpooling system using Python.
- Applied a clustering (K-Means) model that minimized the deployment of cars by an estimated **73%**.
- Optimized the firm's fuel efficiency costs by **71%** and greenhouse gas emissions by **75%**.

MTN Group (Africa's Largest Telecom)   **Lusaka, ZM**
IT Intern (Mobile Money & OSS)   Aug 2019 - Sep 2019
- Solved **100%** of the client issues presented through the company's Customer Care Graphical User Interface (CC GUI).
- Minimized the team's data processing time by **80%** from **50** minutes to **10** minutes using efficient SQL querying.

NetOne IT (IT Services Provider)   **Lusaka, ZM**
Merchant Data Analyst   Jun 2019 - Aug 2019
- Analyzed data and conducted background research to identify and acquire new merchants for an upcoming product launch of a mobile payment service.
- Leveraged the strategic insights generated from the data analysis to successfully acquire **12** key merchants on board - thereby creating new streams of income with the potential to generate over **$200,000** for the firm.

SKILLS

- **Programming:** Python, R, SQL, MATLAB, JavaScript.
- **Python Packages:** NumPy, Pandas, Scikit-Learn, NLTK, Gensim, Beautiful Soup, Keras, NetworkX.
- **Data Visualization:** Matplotlib, ggplot2, Seaborn, Folium.
- **Cloud Computing:** Apache Spark, PySpark.
- **Spoken Languages:** Hindi (Native), Italian (Intermediate), French (Intermediate).
- **Other:** LaTeX, KNIME, SPSS.

ACCOMPLISHMENTS & ACTIVITIES

- Runner-Up at the Vodafone Italy "TOBi" Hackathon 2019 - consequently endorsed by Vodafone on a national level for utilizing unsupervised machine learning algorithms to optimize its AI digital assistant chatbot.
- Finalist for the 2019 edition of the "Hack4Change" challenge – worked in coordination with developers and marketing experts to pitch a sustainable fashion startup.
- Project Leader at Bocconi Students for Innovation - led multiple (5+) pro-bono technical consultancy projects related to Business Intelligence, Sentiment Analysis, and Data Mining for startups based in Italy and Europe.