ARYAN MISHRA

New York, NY

(646)-994-9732 | https://www.linkedin.com/in/mishraaryan/ | https://aryanmsr.github.io/ | am5696@columbia.edu

EDUCATION

Columbia University: Columbia Engineering & Columbia Business School   **New York, NY**
M.S. in Business Analytics   Aug 2021 - Dec 2022
Courses: Data Analytics (Python), Marketing Analytics (SPSS, R), Optimization Models & Methods, Statistics & Simulation.

Bocconi University   **Milan, IT**
B.S. in Economics, Management & Computer Science, Final Grade: 105/110, GPA: 3.65/4.0   Jul 2021
Courses: Advanced Mathematics (Calculus III & Linear Algebra), Advanced Statistics (Mathematical Statistics), Big Data & Databases (SQL, Hadoop, Spark), Numerical Optimization (Python), Econometrics (R), Machine Learning (Python).

EXPERIENCE

Focus Project Europe (Spanish Ed-Tech Startup)   **Madrid, ES**
Product Manager/ Data Science Intern   Jun 2021 - Sep 2021
- Led a project to build a prototype high-school grade prediction feature within the core product that helps students evaluate & forecast academic performance.
- Programmed and tested several machine learning and statistical models (including Linear Regression, Random Forest, and Gradient Boosting) on Python to create the prediction feature that was scaled to a user base of 5000 students.

Bocconi University (Leading European University in the Social Sciences)   **Milan, IT**
Research Assistant - Computer Vision   Jun 2020 - Dec 2020
- Collaborated with researchers in the overall construction and implementation of Deep Neural Network (DNN) models for object identification and image embedding for the Bocconi-Gucci Research Lab and Department of Marketing.
- Built an in-house database comprising 100,000 annotated images of various fashion brands by implementing various web-scraping techniques, thus creating a solid basis for current and future research on the fashion industry.
- Programmed and tested the architectures of various DNN models with the Keras library on Python including VGG-16, Inception-v3, FashionNet, and ResNet.

Kapsch TrafficCom AG (Multinational Intelligent Transportation Systems Provider)   **Vienna, AT**
Spring Data Analyst Intern (Corporate Innovation)   Feb 2020 - Mar 2020
- Analyzed the feasibility of a smart urban mobility (carpooling) system. Proposed a solution based on optimizing the relevant social, economic, and ecological KPIs using in-house Kapsch data.
- Performed a cluster analysis based on geospatial data that grouped incoming traffic into location-based clusters. Applied a K-Means model to minimize the number of cars entering by an estimated 73%, subsequently reducing the amount of CO_2/month by 71% and fuel and maintenance costs by 75% for the firm.

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). Commended by the CIO for demonstrating quick efficiency and accuracy.
- Computed SQL queries to gather important client data for daily operational purposes, thereby lowering the team's data processing time by almost 80% from an average of 50 minutes to 10 minutes.

NetOne IT (IT Services Provider)   **Lusaka, ZM**
Merchant Data Analyst   Jun 2019 - Aug 2019
- Collated data and ran thorough data analysis to identify and acquire new merchants for an upcoming product launch.
- Incorporated the strategic insights generated from the data analysis to acquire 12 key merchants on board - thereby creating new streams of income with the potential to generate over $200,000 for the firm.

SKILLS & INTERESTS

Technical: Python (NumPy, Pandas, Matplotlib, SciPy, Keras, SciKit-Learn), Excel, SQL, R, MATLAB, STATA, Git.

Languages: Hindi (Native), Italian (Intermediate), French (Intermediate).

Interests: Foreign Languages, Epistemology, Soccer, Hackathons, Sustainability, Innovation.

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; 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; Member at the Bocconi Entrepreneurship Club.