ARYAN MISHRA

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EDUCATION

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

Bocconi University   **Milan, IT**
B.S. in Economics, Management & Computer Science, GPA: 3.65/4.0   Jul 2021
Courses: Advanced Mathematics (Calculus III & Linear Algebra), Advanced Statistics (Mathematical Statistics), Big Data & Databases, Numerical Optimization, Econometrics, Machine Learning, New Product Development & Open Innovation.

EXPERIENCE

Focus Project Europe   **Madrid, ES**
Product Manager Intern   Jun 2021 - Sep 2021
- Built a prototype high-school grade-predicting feature to be embedded as an additional feature within the main product. Performed further research and subsequently wrote a white paper that described the feature in detail.
- Programmed several machine learning algorithms including Linear Regression, Decision Tree, Random Forest, and Gradient Boosting on Python, achieving an R squared of ~85% and an average accuracy of ~93%.

Bocconi University   **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   **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   **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   **Lusaka, ZM**
Merchant Data Analyst   Jun 2019 - Aug 2019
- Collated data, ran thorough in-depth analysis, and generated economic reports on insights on merchant solutions.
- Accelerated client acquisition process by collaborating with the IT and Sales departments to bring in 12 key merchants on board - thereby creating new streams of income with the potential to generate $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.