

Milind Bhatnagar

Email: milindbhatnagar60@gmail.com | Brussels, Belgium

EDUCATION AND HONOURS

CentraleSupélec (University of Paris Saclay) & ESSEC Business School

Paris

Masters in Data Sciences (#3 Worldwide, #1 Europe- QS rankings)

Sep 2020 - Dec 2021

- Grade: 17/20 (*Excellent*)
- Coursework in Machine Learning, Deep Learning, NLP, Ensemble Learning, Big Data, Optimization, Forecasting & Predictive Analytics, Statistics, Marketing Analytics
- 1st place in Hackathon for building a ML pipeline for prediction of airplane taxi time

Hindu College (University of Delhi)

Delhi

Honours Bachelor of Arts in Economics

Jul 2014 - May 2017

- Grade: 81.9/100
- Coursework in Micro and Macro Economics, Statistics, Calculus, Econometrics

PROFESSIONAL EXPERIENCE

KBC Group

Brussels

Machine Learning Data Scientist

Dec 2021 - Current

- Built an object detection model using deep learning for document processing
- Built end to end machine learning pipelines to predict client leads for products which is forecasted to bring in additional 5M+ Euros as revenue annually
- Engineered features, built predictive models and evaluated them using machine learning techniques for deployment and production
- Collaborated with multiple stakeholders across the business like product managers and developers to convert business requirement into a machine learning solution
- Tools/Technologies Used: Python, PySpark, AWS, Hadoop, SQL, Git, MLflow, Linux

Criteo

Paris

Machine Learning Data Scientist Intern

Oct 2020 - Mar 2021

- Devised a methodology implementing machine learning like XGBoost, CatBoost and Random Forest to forecast new clients performance utilising 1 TB of client's campaign data
- Accuracy increased by 12% and pipeline deployed by the company for forecasting
- Designed and evaluated A/B tests for marketing campaigns and shared recommendations
- Tools/Technologies Used: Python, SQL, Git

BlackRock

Gurugram

Analyst

June 2018 - May 2020

- Automated and optimised dashboards tracking KPIs saving 70% manual hours per month
- Set-up key analytical reports and visualisations for senior management in US, UK and Europe
- Tools/Technologies Used: Python, SQL, Tableau, Power BI

Nash Venture

Gurugram

Associate

June 2017 - May 2018

- Developed a computational algorithm based on statistical and technical analysis achieving a 3.5 times profit
- Successfully built an arbitrage trading strategy to profit with minimal operating risk
- Tools/Technologies Used: Python, R

RELEVANT PROJECTS

- Built a recommendation system using Netflix data using collaborative and content based filtering
- Predicting Grammy Record of the Year nominees
 - Approached the "Hit Song Science" problem using ML techniques on audio features and rankings
- Time Series Forecasting on Google trends
 - Predictive modelling using SARIMA and Prophet in R

TECHNICAL SKILLS

- **Programming Languages:** Python, R, Java, HTML, Scala
- **Big Data and Machine Learning:** Spark, Hadoop, MongoDB, Python (e.g. scikit-learn, numpy, pandas, matplotlib, Pytorch, TensorFlow, snorkel), MLflow,
- **Miscellaneous:** A/B testing, Tableau, Power BI, ETL, Data Science pipeline (cleansing, wrangling, visualisation, modelling, interpretation), Time Series, Hypothesis testing, OOP, GitHub, Google Analytics, Linux

VOLUNTEERING/ LEADERSHIP

- Volunteered at National Service Scheme, Concern India Foundation and BlackRock Gives
- Elected as President and Finance Secretary of the Student Development Cell- Managed a team of 40 students to organise workshops, expositions and hackathons for 5000+ students