

Nitin Garg

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Education

Columbia University

New York, USA

M.S. in Operations Research

Aug'17-Dec'18

- Relevant Coursework: Data Analytics, Business Analytics, Machine Learning, Demand & Supply Analytics, Analytics on Cloud, Optimization, Industrial projects, Stochastic Models, Probability & Statistics, Python

Delhi College of Engineering

New Delhi, IN

B.Tech. in Electrical and Electronics Engineering

Aug'11-May'15

- Relevant Coursework: Mathematics, Programming Fundamentals (C/C++), Econometrics, Engineering Economics

Professional Experience

Winco

New York, USA

Part-Time Student Consultant | Technologies used: Python, Time Series Models (MA, ARIMA)

Jan'18-Present

- Building a dynamic inventory re-ordering model to find an optimal replenishment quantity using time-series models
- Creating interactive web interface to select different products and view the forecasted results
- Segmenting customers and products in different categories and employing disparate strategies for each category

Alexion Pharmaceuticals

Mumbai, IN

Analyst, Business Intelligence | Technologies used: SAP-BPC, EPM-addin, VBscript, VBmacros

Jul'15-May'17

- Developed financial models, reports for new/existing drugs using SAP Business Planning and Consolidation (SAP- BPC)
- Assisted in decision making process by gaining insights for key metrics such as revenues, expenditures, patients, taxes
- Checked for data inconsistencies, monitored process chains and performed a root cause analysis of the problem
- Provided support to users around the globe in case of failures and analyzed incidents to plan resources during a month
- Saved 700 man-hours of work per year by automating reporting process for 100+ internal clients using VBA

DOW Chemical International Pvt. Ltd.

Chennai, IN

Summer Intern | Technologies used: ETAP Software

Jun'14-Jul'14

- Analyzed power consumption patterns of machines/loads to determine key equipment needed during power failure
- Built a model to derive the optimum size of Diesel Generator (DG) for their facility in Kuwait

Projects

Research Project | Technologies used: Python (Pandas), Tableau, Excel

SIPA, Oct'17-Present

- Analyzing implementation of service delivery tools in NYC and Rio, their impact across different sections of the society
- Identifying correlations between income levels and use of digital service channels
- Measuring if a digital divide has been created after the implementation of these digital platforms

Analysis of Cryptocurrencies | Technologies used: Python, SQL, Tableau

Oct'17-Dec'17

- Analyzed different cryptocurrencies by market cap and gain % and derived heat map from their correlation matrix
- Used Natural Language Processing (NLP) to do text mining and then perform sentiment analysis to gather feedback
- Used GoogleTrends API to evaluate search trends across different time periods and regions

Skills

Programming Languages: Python, SQL, Visual Basic (VBA), R, Scala, Regression Models, Segmentation, C++, HTML

Tools/Software: BPC 10.1 (HANA), EPM-addin, MS Office, Tableau, Hadoop, Octave, SAP BO, SAP BW, Lumira

Achievements

- Received R&R award for developing R&D Forecasting model & providing automated solutions **Apr'16**
- Attained 3rd position in E-Ballot event organized by IEEE in annual technical fest 'TROIKA' **Feb'14**
- Stood 1st in Edison's Ecstasy (an electrical circuit competition) organized by IEEE PES **2012**
- Obtained 100/100 in Mathematics in both 10th & 12th, received merit certificate- Indian Education Board **2009, 2011**