

HIMANSHU MALIK

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TECHNICAL SKILLS

- Statistical Programming and Data Wrangling– R (Dplyr) and Python (NumPy, Pandas)
- Data Engineering and Data Warehousing – SQL (MS SQL Server), Hadoop (Pig, Hive) AWS (S3) and Databricks (PySpark)
- Advanced Spreadsheet – Microsoft Excel (Advanced Formulas, Charting, Power Pivot, Simulations & Solver)
- Data Visualization & Communication – Tableau, Power BI, Python (Matplotlib, Seaborn) and R (Ggplot2, Esquisse)
- Machine Learning & Model Understanding – Python (SciKit-Learn), R (Mlr), SPSS and PySpark - Databricks
- Web & Text Analytics – Python (BeautifulSoup, Selenium, Scrapy, NLTK), R (RCrawler), SPSS and Google Analytics

EDUCATION

FORDHAM UNIVERSITY, GABELLI SCHOOL OF BUSINESS

New York, US

MASTER IN BUSINESS ANALYTICS

2018-2019

- **Relevant Coursework:** Database Management, Data Mining, Web Analytics, Text Analytics, Programming with R, Programming with Python, Big Data Analytics, Advanced Spreadsheets, Risk Analytics
- **Leadership:** Executive Board Member - GSB Net Impact Student Group
- **Graduate Assistant:** Tracking and Reporting (Google Analytics, Tableau, Siteimprove, PowerBI & Google Data Studio) for Fordham Marketing Department

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

New Delhi, India

BACHELOR OF INFORMATION TECHNOLOGY

2011-2015

- **Relevant Coursework:** Database Management, Computer Architecture, Operating Systems, Software Testing, Algorithm Analysis and Design, Cyber Security and Computer Networks.
- **Leadership:** Member of the Organizing Committee – Anugoonj - Annual Cultural Festival and Licensee & Lead Organizer – TEDxSushantLok 2013, President of Rotaract Club Gurgaon 2013-2014

EXPERIENCE

DELOITTE & TOUCHE LLP

Miami, Florida

ASSOCIATE

2019 - Present

- Conducted IT General Control SOX reviews on IT Infrastructure supporting financial applications to assess application security configurations and identify risk and mitigating controls

DELOITTE & TOUCHE AERS

Gurugram, India

ASSOCIATE

2017-2018

- Conducted IT General Control SOX reviews on IT Infrastructure supporting financial applications to assess application security configurations and identify risk and mitigating controls
- Offered solutions to help client extend internal audit oversight and performance, addressing IT risk as well as organization-wide business risk and cyber security

ERNST & YOUNG LLP

Hyderabad, India

ANALYST

2015-2017

- Delivered SOC1 & SOC2 engagements based on ISAE 3402 and SSAE 16 standards reviewing security profiles of application. Evaluation was performed around Change Management, Logical Security and Other IT General Controls for clients in IT Service, Hospitality, Pharmaceutical, Education and Mining Industry
- Executed Threat Vulnerability Risk Assessment (TVRA) for a Data Center in Singapore in accordance with Monetary Authority of Singapore (MAS) for the domains mentioned within the Technology Risk Management (TRM) Guidelines

PROJECTS

EXTREME WEATHER EFFECT ON SALES (WALMART)

- **Problem Statement:** Forecast the level of inventory needed to avoid being out-of-stock or overstock during and after that an extreme weather event
- **Methodology:** Used R programming language for Data Wrangling, and SPSS K-Means Clustering to predict the quantity of weather sensitive items sold around time of major weather events for 45 Walmart stores located in different regions

NCAA MEN'S MARCH MADNESS BASKETBALL COMPETITION

- **Problem Statement:** Predict the NCAA Division 1 Men's Basketball competition bracket by evaluating a combination of NCAA's historical data
- **Methodology:** Performed Feature Selection (Select K best, Extra tree Classifier, Heatmap) and Logistic Regression implemented using Python (Pandas, NumPy SciKit-Learn, Seaborn), SPSS and Tableau to predict winning probability for each team

QUORA INSECURE DATA CLASSIFICATION

- **Problem Statement:** Develop a machine learning model to handle toxic and divisive content to keep Quora platform safe
- **Methodology:** Developed a model to identify and flag insecure questions using Text Analytics techniques like Tokenization, StopWord removal and TF-IDF and build Cross validation Logistic Regression and Naïve Bayes model using PySpark – Databricks