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
- IT Governance, Risk Management and Compliance Information Security Reviews – ISO, SOX and SOC 2

EDUCATION

FORDHAM UNIVERSITY, GABELLI SCHOOL OF BUSINESS   New York, US
MS, BUSINESS ANALYTICS   2018-2019

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

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY   New Delhi, India
B.TECH INFORMATION TECHNOLOGY   2011-2015

- Database Management, Computer Architecture, Operating Systems, Software Testing, Algorithm Analysis and Design, and Computer Networks.
- Member of the Organizing Committee – Anugoonj - Annual Cultural Festival
- Licensee & Lead Organizer – TEDxSushantLok 2013

EXPERIENCE

DELOITTE & TOUCHÉ ASSURANCE & ENTERPRISE RISK SERVICES   Gurugram, India
Associate Solution Advisor   2017-2018

- Performed IT General Control SOX reviews for clients based out of Europe and North America on IT Infrastructure supporting financial applications to assess security configurations and identify risk and mitigating controls
- This helped client companies transition to effective, centralized and automated IT infrastructure supporting financial reporting

ERNST &YOUNG LLP   Hyderabad, India
Analyst   2015-2017

- Delivered ISO and SOC2 engagements based on ISAE 3402 and SSAE 16 standards. These examinations included understanding client's business processes, framing design and implementation IT controls, control effectiveness testing and adding value by providing remediation controls
- Performed Threat Vulnerability Risk Assessment (TVRA) for a Data Center at Singapore in accordance with Monetary Authority of Singapore (MAS) for the domains mentioned in the Technology Risk Management (TRM) Guidelines
- This helped client companies implement controls to efficiently handle customer data, strengthen their reputation, evaluate financial statements, and implement stability by documenting, evaluating, and improving their internal IT controls

PROJECTS

EXTREME WEATHER EFFECT ON SALES (WALMART)   Fall 2018

- Used R for Statistical Programming and Data Wrangling, and SPSS K-Means Clustering to predict the amount of product sold around the time of major weather events

DATABASE MANAGEMENT - PRESCRIPTION TRACKING SYSTEM   Fall 2018

- Utilized Microsoft SQL Server to build up relational model to store entity and attributes of pharmacy prescription system and executed over 60 SQL queries to retrieve information.

NCAA MEN'S MARCH MADNESS BASKETBALL COMPETITION   Spring 2019

- Used 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   Spring 2019

- 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

FACTORS LEADING TO INCREASE IN AIR POLLUTION AND PARTICULATE   Spring 2019
MATTER IN THE EUROPEAN UNION

- Performed Descriptive and Predictive analytics using Tableau to analyze correlation between Economic, Demographics, Deforestation and Energy factors on Air Pollution and Particulate Matter in the European Union.