

HIMANSHU MALIK

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TECHNICAL SKILLS

- Statistical Programming, Data Wrangling, Automation and Machine Learning – R, and Python
- Data Engineering and Data Warehousing – SQL (MS SQL Server, and PostgreSQL), Pig, and Hive
- Advanced Spreadsheet – Microsoft Excel (Advanced Formulas, Charting, Power Pivot, Simulations & Solver)
- Data Visualization & Communication – Tableau, Power BI, Alteryx, and Spotfire
- Web & Text Analytics – Python (BeautifulSoup, Selenium, Scrapy, NLTK), R (RCrawler), SPSS and Google Analytics

PROFESSIONAL EXPERIENCE

Total 5 - years

DELOITTE & TOUCHE LLP (PRESENT)

San Jose, California

SENIOR CONSULTANT

2019 – Present, 2017 – 2018

- Assessed clients' Information Technology (IT) environments and risk management approaches by executing internal and external IT SOX Audits and SOC 1 (SSAE 18) reporting engagements which involved performing IT General Controls (ITGC) testing and identifying inefficiencies and control gaps in the areas of access Security, change management, data center, network, and operations
- Performed client walkthroughs of IT processes relating to financial systems and identified associated risks.
- Performed automated controls testing of various business processes (order to cash, procure to pay, inventory, and fixed assets)
- Provided clients with innovative risk management services to obtain value (cost reduction/avoidance, risk reduction, capacity and quality gain) through applying automation and cognitive intelligence technologies as part of the Deloitte Digital Internal Audit
- Developed and facilitated an IT Specialist (IT Risk & Controls) training course for approximately 60 local new-hires and interns

QUADRUS MEDICAL TECHNOLOGIES

New York, New York

DATABASE SCIENTIST (INTERNSHIP)

3 Months (2019)

- Designed data-schema representations using SQL Database Modeler, developed database using PostgreSQL, and implemented data validation rules from scratch for a nascent healthcare technology start-up.
- Contributed in development of web-based calculator for identifying and staging acute renal failure modeling data collected within proprietary schema using Python

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.
- 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

EDUCATION

FORDHAM UNIVERSITY, GABELLI SCHOOL OF BUSINESS

New York, New York

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 and Career Development Center

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

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