
EDUCATIONAL QUALIFICATIONS

- M.S. in Operations Research**, Northeastern University, Boston 3.64/4.0
Relevant Courses: Engineering Probability and Statistics, Data Mining, Database Design and Management May 2019
- B.Tech. in Production and Industrial Engineering**, Delhi College of Engineering (DTU), India 3.8/4.0
Relevant Courses: Project Management, Operations Research, Quality Control June 2015

PROFESSIONAL EXPERIENCE

- John Hancock, Boston, MA, USA - IT Business Analyst** Jan.-August 2018
- Created SQL database on Azure to capture complex data and administered blob storage and virtual machines
 - Collaborated with Informatica's SME and configured the IICS ETL solution to integrate data from Salesforce and Dynamics 365
 - Shared business insights with partner teams, to accelerate speed of project deliveries
 - Developed Current State Analysis, Business Requirements Document and Project Charter for an ambitious project
 - Conducted business reviews with software developers and data engineers to design IT support platform and solved bottlenecks
 - Consolidated progress of the project into concise data-driven status update to report to HNRG leadership
 - Connected Salesforce, Dynamics 365, SQL database with Power BI to develop automated system to track performance metrics
 - Deployed 55 interactive reports and 12 dashboards for directors of 2 business verticals of HNRG on Power BI
 - Automated the document approval process on Microsoft Flow and Adobe Sign which resulted in 50% decrease in process time
 - Managed organization data from end-to-end on Salesforce and Dynamics 365 that improved data integrity by 20%
- Roshni Academy, Delhi, India - Data Science Intern** May-August 2017
- Conducted brainstorming sessions for selection of key parameters like nutrition, health, education, economic indicators
 - Developed automated system to track the metrics in Tableau and upgraded the reporting platform
 - Performed deep dive into the organization data to uncover actionable insights using data visualization in R
 - Developed machine learning models based to predict expected job salary of prospective employees using Python
- Royal Enfield, Delhi, India - Graduate Engineering Trainee** Aug 2015 - July 2016
- Improved motorcycle bookings (7%) by using sales data to develop forecasting models and controlled inventory at optimal level
 - Collaborated with Financial Manager for budgeting, and financial planning and reduced overhead expenses by 5%
 - Collected data manually for a week, analyzed with statistical methods and reduced the lost sales by 15%
 - Developed business models across key metrics and aligned them with company's brand image
 - Developed process maps and training plans for the team. Developed, monitored, evaluated and managed KPIs

ACADEMIC PROJECTS

- Project Proposal for development of database and BI platform for an Acquisition business** December 2018
- Charted project scope and deliverables precisely. Developed work breakdown structure, PERT chart and Gantt chart
 - Implemented IDEF methodology for process modeling and precisely described each operation and activity
- Database development and management for auto insurance company** November 2017
- Charted ERD and implemented the database in MS SQL Server. Developed analytical reports and dashboards on Tableau
- Statistical variation analysis of Leak Value in the Engine Cylinder Head subassembly.** March 2017
- Performed ANOVA and 2-tailed hypothesis test for variance analysis to find anomalies in mean of leak value.
 - Performed root cause analysis and made business recommendations based on reasons for the variation in system

TECHNICAL SKILLS

Databases	MySQL, RDBMS, T-SQL
Dashboards	PowerBI, Tableau
Microsoft Office	MS Visio, EXCEL, Excel Solver, XLMiner, VBA, MS Project, Power Point
Programming Languages	R, Python

LEADERSHIP EXPERIENCE

- Northeastern University, Boston, MA, USA – Teaching Assistant** Sept.-December 2018
- Solved queries of M.S. students in Engineering Probability and Statistics coursework. Graded assignments and papers
- Northeastern University, Boston, MA, USA – Teaching Assistant** Sept.-December 2017
- Solved queries of M.S. students in Deterministic Operations Research coursework. Graded assignments and papers