SHRUTI MEHTA

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EDUCATION

Northeastern University, Boston, MA

Master of Science, Information Systems   *May 2018*

<u>**Coursework:**</u> Application Engineering Development, Data Management and Database Design, Data Analysis using Python, Advances in Data Sciences and Architecture, **GPA: 3.6**

University of Petroleum and Energy Studies, Dehradun, India

Bachelor of Technology, Computer Science   *May 2014*

<u>**Coursework:**</u> Data Structures, Data Communications and Networks, Storage Technology Foundations, Database Management Systems, Data Warehousing and Data Mining, **GPA: 3.24**

SKILLS

Programming Languages:	Python, SQL, PL/SQL, R, Java
Databases:	MySQL, Oracle 11g, Microsoft SQL Server, db4o, DB2, MS-Access
Tools:	MS-Excel**,** Tableau10, R-Studio, Weka, Eclipse, Toad, JIRA, GitHub
Web Technologies:	XML, HTML, CSS, AWS

PROFESSIONAL EXPERIENCE

Infosys Limited, Chandigarh, India

Systems Engineer

Transactions Filtering: Risk and Compliance   *Oct 2015 – June 2016*

- Developed Java wrappers to fit anti-money laundering tools to detect fraudulent transactions
- Developed an Interface for connecting tools to the Internet banking
- Analyzed the data for filter engine's fine tuning to suppress false alerts while reducing the load by 62%

CRM: Retail, CPG and Logistics   *July 2014 – Oct 2015*

- Analyzed and monitored the flow of products in markets and conducted reports for implementation of marketing strategies, leading to 34% growth in customer acquisition
- Utilized the J2EE environment for development of business logic and web pages for Customer Relationship Management (CRM) for one of the Fortune 500 companies
- Designed auto-generated e-mails for customers as a part of Consumer Engagement Platform after purchase with number of items selected in the cart
- Received recognition from Management for exemplary contributions for the CRM project

ACADEMIC PROJECTS

Northeastern University, Boston, MA

Data Analysis using Zomato API (Pandas, Basemap, Numpy)   https://github.com/MehtaShruti

- Collected, cleaned, wrangled and extracted the data to data frames using pandas   *Apr 2017*
- Performed analysis to understand the correlation between restaurants and consumer behavior data
- Visualized the analysis into grouped bar charts and basemaps using Seaborn

Sentimental Analysis of Amazon Book Reviews (R and Machine Learning)   *Apr 2017*

- Performed Text and Sentiment Analysis on the web scraped books reviews
- Ran SVM, DBN and CNN for sentiment classification using DeepNet obtaining an accuracy of 85%

Analysis of Enron's Scandal Emails (Python, Pandas, NLTK Corpus, Matplotlib)   *Mar 2017*

- Parsed and analyzed the emails of Kenneth Lay and extracted the list of people he communicated with outside Enron and most common words used in the emails
- Analyzed the number of emails Jeffrey Skilling sent and received over a week

Cars Manufacturing Database Management System (MySQL, Toad Modeler)   *Nov 2016 – Dec 2016*

- Normalized and designed the database to Automate validations to reduce workload by 40%
- Implemented stored procedures and events to generate incremental backups weekly of cars manufactured

HONORS AND ACHIEVEMENTS

- Awarded with second position in Idea Hack conducted by the U.S. Navy at Northeastern University
- Certified Competent Communicator and Advanced Leader Bronze by Toastmasters International (2016)

LEADERSHIP AND COMMUNITY INVOLVEMENT

- Member of Toastmasters International
- Literacy Coordinator in Make a Difference
- Member of Lead 360 at Northeastern
- Social Worker for Rotary International