Shashidhar Reddy

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**Education**

**The University of North Texas**, TX, USA

*Master’s in Data Science* Cumulative GPA: 4/4.00

# Work Experience

**The University of North Texas**, TX, US —*Research Assistant in Data Science* Jan 2020 – April 2021

**Project:** Characteristics of Information Spreading across nations

* Extracted, Processed and Analyzed the COVID-19 related data from Twitter to understand social view on COVID-19.
* Developed a python script to extract the data from Twitter API in Json Format and store the files in the project server.
* Wrote 50+ Python scripts and ran them in Linux server to retrieve the required information from the tweets.
* Created 100+ visualizations in Python and Tableau. Sampled the data from different time periods for Time series analysis.

**Technologies: Python, JSON, Tableau, MS Excel, Linux**

**Diebold Nixdorf India Pvt Limited,** Mumbai, India —*Software Engineer II* May 2018 – Oct 2019

**Clients: Sephora, 7-Eleven, DFS, ILM, Betargo**

* Worked as a software developer. Involved in product development and customization of Retail applications.
* Developed 150+ plugins in AngularJS, ASP.Net, ADO.Net and SQL to customize TP.Net for various Retail clients in Asia-Pacific region.
* Involved in frequent improvement of SQL stored procedures, Functions, Triggers and tables to generate customized reports.
* Designed and developed a windows application in C# which reads transaction files from database, corrects the CRN number of XML files and update them in the database.
* Worked in Agile methodology attending scrum meetings and updating the user stories in JIRA.

**Technologies: Microsoft SQL, ASP.Net, ADO.Net, C#, AngularJS, Windows, Linux**

**Cognizant Technology Solutions,** Mumbai, India — *Programmer Analyst* Dec 2016–May 2018

**Client:** Sanofi Pasteur

* Designed an **SQL** database integrated from different tables related to the client data with normalizations.
* Developed 200+ stored procedures, queries, views, triggers, and other database objects to support internally hosted applications.
* Analyzed the existing SQL queries and modified to improve the performance of client’s applications.
* Communicated regularly with application developers to develop new tools and systems to support growing business needs.

**Technologies: Microsoft SQL, Linux, Python, C#**

**Academic Projects**

**Local Search System for Wiki News (Python, Django, HTML, CSS, JavaScript, Elastic Search, MySQL)**

* Designed and developed a web portal which scraps/extracts data from Wiki News and store in local database.
* The portal provides an interface for user management (Sign up, account management), Item management (Making changes in the news data and update in database), Searching the news items (A search page like google search page).

**Prediction of Airbnb prices (Python, Tableau, Scikit Learn)**

* Developed a Linear Regression model which predicts the price of hosts in Airbnb Los Angeles.
* Performed extensive data cleaning and transformation to improve the model accuracy up to 81%. Created interactive visualizations in Tableau to understand the trends in various features that affects the price.

**Data Engineering with Python (Python, Jupyter notebook)**

* Wrote 20+ Python notebooks to implement data analysis and data processing tasks on various data sets.
* Implemented various data science concepts like data analysis, Data cleaning, Data Visualization, Simulation, Sampling, Web scrapping. Used various python libraries like pandas, NumPy, SciPy, Matplotlib, Seaborn etc.

**Retail Store Sales Management System (MySQL, Data Modelling)**

* Designed and developed a relational data base in MySQL to provide an efficient Retail store sales management system.
* The database contains various tables which stores and maintains information of customers, products, Transactions, Employees.

**Technical Skills:**

**Programming Languages** Python, R-programming, SQL, C#

**Big Data** Hadoop, Pig, Hive, Kafka, Spark, HDFS, MapReduce, Flume

**Cloud Technologies** AWS (S3 storage, Ec2 service)

**Analytical Tools** Tableau, PowerBI, Ms Excel, Pivot tables, SAS Enterprise Miner

**Databases** MSSQL, MySQL, MongoDB, AWS Redshift, SAP HANA

**Machine Learning** Linear Regression, Logistic Regression, Decision Tree, Random Forest, SVM, Classification, Clustering,

KNN, PCA, Neural networks