

Ifraz Ahmed

Houston, TX

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EDUCATION

UNIVERSITY OF HOUSTON, Houston, TX

December 2021

C.T. Bauer College of Business

Master of Science in Business Analytics, GPA : 3.9/4.0

Courses taken: Quantitative Analysis for Business Decisions, Basic Programming for Business Analytics, Database Management Infrastructure and Architecture

GEORGIA STATE UNIVERSITY, Atlanta, GA

May 2018

J Mack Robinson College of Business

Bachelor of Business Administration in Computer Information Systems

Courses taken: Data Analytics, Managing IT Projects, Business Analysis, Fundamentals of Programming

Study Abroad: Université de Nantes, Nantes, France (focus on Computer Information Systems)

PROJECTS

Quantitative Analysis for Business Decisions, University of Houston

May 2020

Data Mining Project for Restaurant Profitability using

- Ingested data in xls format into R environment to perform analysis.
- Created simple and multiple linear regression models using R to identify key metrics client must focus on to increase customer volume (table turns).
- Compared predicted table turns with actual table turns to validate the regression model.
- Identified variables with high/low impact on table turns to increase profitability by either investing in a variable aggressively or reducing investment in order to lower cost.

EXPERIENCE

Love & Joy Personal Care Home, Houston, TX

May 2020 – Present

IT Manager

- Responsible for all upgrades and maintenance related to hardware, software, or other systems within the Love & Joy Personal Care Home main office.
- Implemented a data repository to provide data security for confidential information with documentation.
- Created an intranet-based file sharing solution for all office computers by mapping a network drive while troubleshooting any incompatibilities between Windows 10 and Windows 7 devices.
- Manage and perform analysis on all donors using Snowball Fundraising platform
- Perform any other duties that may arise related to information technology on an as need basis.
- Created a policies and procedures orientation packet to be administered for all new employees at Love & Joy Personal Care Homes.

Harris County Public Health, Houston, TX

March – August 2019

Business Intelligence Data Warehouse Intern

- Developed Microsoft Power BI reports visualizing at risk populations within Harris County based on household income, school enrollment, year, geolocation, and other factors.
- Created scalar functions and stored procedures in SQL Server to validate data contained within Power BI reports.
- Developed a Python script to extract veterinary public health data into Python, apply transformations for data clean up, and upload back for use within data warehouse environment.
- Leveraged four fuzzy logic algorithms to give a confidence rating on how close an input matches a record in a table.
- Discovered patterns while developing Python scripts, Microsoft Power BI reports, and SQL Server queries. Presented insights and conclusions to key stakeholders and executive directors within Harris County.

Cloudera Hadoop and Spark Developer Trainee

- Transformed data in Spark leveraging SQL Context and Hive Context APIs to discover most profitable variables.
- Performed import and export operations on customer data between RDBMS and HDFS operating Sqoop.
- Ingested data into Spark in Avro, Parquet, JSON, CSV, TSV, and text file formats, transformed into DataFrame, performed SparkSQL queries, and saved back on to HDFS while applying Gzip compression.
- Designed external tables in Hive, ingested JSON formatted files from HDFS, and ran queries using Hive Query Language.
- Leveraged RDD APIs to calculate aggregations of orders inside spark-shell environment.
- Installed, configured, and tested Hadoop Ecosystem inside a virtual machine environment in Virtual Box.

PROGRAMMING SKILLS

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|--------------|--------------|
| • Scala | • SQL Server |
| • Python | • Spark |
| • R | • Hive |
| • Unix/Linux | • Sqoop |

ADDITIONAL

- Vice President of Consulting and Technology Club at Bauer MBA Society, 2020 – Present
- Vice President of Bauer MBA Society, 2020 – Present
- Volunteer Judge for 2020 Science and Engineering Fair of Houston
- Verbal literacy in Urdu and Hindi
- U.S. Citizen