

# Bhuvaneshkumar Jotheeswaran

Boston, MA 02120

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Willing to relocate: Anywhere

## Work Experience

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### **Boston Food Inspection**

Northeastern University - Boston, MA

February 2022 to February 2022

- Published Data Mart in Oracle Cloud, fashioned over 15 Facts and Dimensions table, established Slowly Changing Dimensions (SCD), composed Star & Snowflake Schema Dimensional Model using ER data studio
- Instituted Data Profiling, Data Manipulation, Data Transformation on 10M+ real time data, and staged data in DM

### **Media sales Analysis**

Northeastern University - Boston, MA

February 2022 to February 2022

- Devised multiple database servers in Azure, recorded databases with 15K+ media sales entries, instituted data cleansing operations in SQL, and performed ETL using Alteryx
- Built Dimensional Modeling using ER Studio and integrated Azure DB with PowerBI and Tableau to visualize and respond to key business questions

### **2022 Olympics Figure Skating Prediction**

Northeastern University - Boston, MA

February 2022 to February 2022

- Instituted web scrapping methods, collected top performers ratings from top 5 countries
- Implemented Statistical modeling on each country and determined the possibility of winning the tournament
- Conceptualized Bayes' theorem algorithm to forecast men and women winning from same country

### **Credit Card Fraud Detection**

Northeastern University - Boston, MA

December 2021 to January 2022

- Acquired and cleansed around 300K datapoints and applied correlation matrix to extract the relevant attributes
- Compared Isolation Forest and Local Outlier Factor models results to find Isolation Forest model fared better

### **Sentiment Analysis on Customer Reviews**

Northeastern University - Boston, MA

December 2021 to January 2022

- Conceptualized Web Scrapping techniques on 100's of webpages to get user reviews on restaurants
- Introduced exploratory data analysis, and analyzed text by Bert-base supervised learning to rate customer responses
- Visualized the results to get insights about restaurants based on customers' comments with an accuracy of 95%

## **Online Movie Ticket Booking System**

Northeastern University - Boston, MA

September 2021 to December 2021

- Built Movie Ticket management database by formulating business rules and designing ERD
- Developed a database consisting of 18 entities deploying DDL statements in SQL Server
- Established concepts of triggers, functions, stored procedure, and table level constraints to maximize db efficiency
- Analyzed movies by user ratings, and recommended better movie screenings to increase revenue

## **Software Engineer**

Accenture - Chennai, Tamil Nadu

May 2019 to July 2021

- Pioneered in automating 50% of the time spent in reporting, receiving Delivery Champion Award
- Extracted and transformed 100K+ datapoints from multiple sources using python and SQL, and loaded into the DB
- Optimized Tableau dashboard, which was used to present descriptive analytics, project deliverables, and product enhancement ideas to Executive management, reducing 25% of manual effort
- Written and performed A/B and Manual test cases to maximize web API efficiency in client environments
- Streamlined dashboards to prioritize covid-19 pandemic tasks, resulting in providing accessible healthcare to critical patients, and helping in handling the pandemic
- Evaluated 500+ Production servers' performance using KPI after deploying packages for continuous improvement
- Defined project task allocation, handled team reviews, trained several team members, standardized Knowledge Transfer (KT) documents, and guided over 7 new team members
- Collaborated with business partners on technical issues, collected product requirements as per customer expectations, and clarified the gap between customer expectations and product capabilities

## **Associate Software Engineer**

Accenture

May 2017 to May 2019

- Fabricated COBOL and JCL by Agile methodology increasing business efficiency by 10%
- Extracted 1B+ datapoints from Production DB, transformed and appended data into Test region DB
- Automated extracting and transforming 500K+ datapoints from mainframe, eliminating 80% of effort
- Accomplished impact analysis to resolve user queries and supported Business users by addressing their issues

## **Education**

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### **Master of Science in Information Systems (GPA : 3.85)**

Northeastern University - Boston, MA

August 2021 to May 2023

## **Bachelor of Engineering in Mechanical Engineering**

Anna University - Chennai, Tamil Nadu

August 2013 to May 2017

### **Skills**

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- Python
- JAVA
- R
- SQL
- NoSQL
- COBOL
- JCL  
Tools: Tableau
- PowerBI
- Alteryx
- Talend
- Azure
- Oracle Cloud
- Google Big Query
- ER Studio
- ServiceNow
- PyCharm
- Jupyter Notebook
- IntelliJ
- Netbeans
- Advanced Excel
- EPIC  
Databases: MS SQL Server
- MongoDB
- PostgreSQL
- Oracle
- SQLite
- DB2
- IMSDB  
Programming Libraries: NumPy
- Pandas
- Matplotlib
- SciPy
- scikit-learn

- TensorFlow
- Keras
- PyTorch
- OpenCV
- Git
- AWS
- Agile
- Linux
- MySQL
- Business Requirements
- User Acceptance Testing
- GitHub
- Data analytics
- Relational databases

## Links

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<http://github.com/Bhuvie028>

<http://linkedin.com/in/bhuvie>