PRATHAMESH PATIL

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Summary

Result-oriented data professional with expertise in analyzing complex data sets to identify trends and developing efficient automation solutions. Seeking full-time roles with relocation flexibility.

Knowledge Areas: Business Intelligence, Data Warehousing, Data Analysis, Data Visualization, Requirements Gathering, Data Modelling, Data Integration, ETL, Machine Learning Algorithms, Survey Analysis, Marketing Segmentation

Education

University of Illinois Urbana-Champaign　　　　　　　　　　　　　　　　　　**May 2023**
Master of Science in Information Science　　　　　　　　　　　　　　　　　　(GPA : 3.89/4.0)
(Programming for Analytics and Data Processing, Methods of Data Science, Text Mining,
Data Visualization, Data Warehousing and Business Intelligence, Marketing Analytics)

University of Mumbai　　　　　　　　　　　　　　　　　　　　　　　　　　**May 2018**
Bachelor of Engineering in Electronics　　　　　　　　　　　　　　　　　(CGPA : 7.36/10.00)

Technical Skills

Programming Languages: Python, SQL, R, C#, PowerShell
Data Science Packages: NumPy, Pandas, Seaborn, Matplotlib, Plotly, BeautifulSoup, Scikit-learn, NLTK, Spacy
Development and Visualization Tools: PyCharm, RStudio, Microsoft Visual Studio, GitHub, JIRA, Tableau, Power BI
Databases and Data Platforms: Oracle, MS SQL Server, MySQL, MS Access, MS Excel

Experience

Accenture

Application Data Analyst　　　　　　　　　　　　　　　　　　**Nov 2020 - April 2021**

- Redesigned and optimized SQL queries to fetch weekly reports reducing process time by 14%
- Designed application to optimize server resources and reduce ETL load time by 40%, by dividing single pipeline processing 150K rows into 4 smaller lines using C#
- Identified and fixed data vulnerabilities in supply chain finance applications using MS Access
- Automated a job to restart the web service weekly to free heap size using CA Workload Automation and PowerShell script saving 8 hours of weekly manual work

Application Data Associate　　　　　　　　　　　　　　　　　　**Oct 2018 - Oct 2020**

- Generated Excel reports and Power BI visualizations for HR and Finance team to track monthly regional balance sheet using SQL Server and Oracle DB
- Visualized efficient and high-quality ticket monitoring dashboard in a cross-functional team
- Enhanced a production web service used in HR & Corporate units to populate required data from Data Warehouse on a dashboard for monitoring ongoing system disruption events
- Built a prototype of Leave Management System working as a SQL developer using MS SQL Server

Projects

Effect of Covid on Boston City Service Helpline(Python - Pandas, Numpy, Matplotlib, Seaborn, Plotly)

- Performed Exploratory Data Analysis to identify trends, patterns, and insights arising on Boston Service Helpline (311) using Pandas and convey findings with visuals created using matplotlib
- Rejected the hypothesis: Increase in covid cases led to decrease in 311 requests
- Analyzed 1.4m+ requests from 2015 to 2020 to find the most affected neighborhoods in Boston seasonally pre-covid and post-covid by standardizing population

Sentiment Analysis of Amazon Reviews(Python - Beautiful Soup, NLTK, Spacy,Pandas, Matplotlib, Seaborn)

- Build a Python script that fetches book reviews from Amazon to perform Sentiment Analysis
- Classified 14k reviews to extract feature sentiment and successfully classified into positive, negative and neutral
- Identified top 100 recurring words in each sentiment and displayed them using WordCloud

Forest Cover Type Prediction(R - Dplyr, Tidyverse, randomForest, gbm, ggplot2)

- Implemented Classification algorithms using R to find predominant cover type under specific environment conditions
- Performed feature engineering to reduce 55 columns to 13 columns and achieved accuracy of 93% using boosting techniques

Professional Development

Coursera certifications

- Digital Marketing Analytics in Practice, by Kevin Hartman of Gies College of Business
- Digital Marketing Analytics in Theory, by Kevin Hartman of Gies College of Business
- Business Strategy, by Deepak Somaya of Gies College of Business