Prathamesh Patil

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# **SUMMARY**

Detail oriented data analyst with 3 years of IT consulting experience in HR & Finance domain. Keen to apply my professional experience

and academic background in Information Management to drive business strategies and enhance operational efficiencies. Open to relocation.

# **EXPERIENCE**

**Application Data Analyst, Accenture** Nov 2020 ­ April 2021

* Improved weekly report generation process by **12%** by optimizing SQL queries and improving data retrieval efficiency
* Designed custom Informatica ETL pipeline to process **7.5M transactions monthly** in collaboration with data integration team
* Identified and resolved data redundancy issues across organization, leading to a **30% reduction** in data inconsistencies
* Implemented descriptive analytics to monitor and analyze dormant user accounts thereby **saving $0.3M** on software licenses
* Spearheaded an automation project for client leadership to request month end reports, **reducing weekly 8 hours** of developer efforts
* Managed direct client relationships by providing timely project updates, mediating communications, and addressing concerns.
* Developed and implemented standard verification processes to ensure complete, accurate, and timely delivery of critical risk data from various HRIS, ERP, CRM systems and external partners.

**Application Data Associate, Accenture** Oct 2018 ­ Oct 2020

* Generated ad hoc HR & Finance Excel reports using SQL Server and Oracle DB to reduce informed decision-making time **by 15%**
* Created risk monitoring reports and dashboards to enhance visibility into key risk metrics for monitoring real-time system disruptions **across 7 departments** across America & Asia Pacific regions
* Developed an interactive real-time statistical KPI dashboard using Power BI and CRM datalake for non­technical stakeholders
* Enhanced client’s workforce performance by suggesting alternative resource allocation strategy, resulting in a **10% gain**
* Revamped a critical ERP data extraction application for enterprise asset management monitoring
* Documented & maintained existing deployment plans, test cases, data dictionaries & standard operating procedures using SharePoint
* Participated and contributed to identifying areas for efficiency automation using Agile Methodology.

# **EDUCATION**

**University of Illinois at Urbana-Champaign** Aug 2021 ­ May 2023

**Master of Science in Information Management** 3.9/4

* **Coursework:** Data Visualization; Marketing Analytics; Data, Statistical Models & Information; Information Modelling; Methods of Data Science; Data Warehousing & Business Intelligence; Text Mining; Programming for Analytics & Data Processing
* **Course Assistantships & Certifications:** MBA 561: Introduction to Business Analytics with R; MBA 542: Digital Marketing Analytics in Theory and Practice; BADM 544: Strategic Management (Business and Corporate Strategy)

# **ACADEMIC PROJECTS**

**UIAA Membership Campaign (Excel, Tableau, Python - pandas, scikit-learn)**

* Implemented regression analysis on the university’s alumni data, to predict the likely donors and their donation amount for UIAA
* Identified the key indicators like age, gender, income and intent of membership to target audiences to boost membership by **32%**
* Set up experimental pipelines with A/B test to optimize promotional events and maximize the ROI in the long run

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

* Performed EDA to identify trends, patterns, and insights arising on Boston Service Helpline (311) using Pandas
* Designed and created visually appealing and user-friendly visualization to convey actionable insights
* Analyzed **1.4m+ requests** to find the most affected neighborhoods in Boston before & after COVID using Python

**Sentiment Analysis of Science Fiction Novels (Python - Pandas, NLTK, scikit-learn)**

* Conducted sentiment analysis on 6 Jules Verne novels to visualize 100 recurring words for positive, negative, and neutral sentiments
* Classified 14k reviews to extract feature sentiment and successfully classified into positive, negative and neutral using Python

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

* Implemented classification algorithms like RandomForest, SVM, Bagging and Boosting using R to find predominant forest type
* Performed feature engineering to reduce 55 columns to 13 columns and achieved accuracy of 93% using boosting techniques

# **SKILLS**

**Core Competencies:** Requirements Gathering, Statistics, Data Mining, Data Modeling, Data Analysis & Visualization, Data Reporting & Documentation, Regression Models, Machine Learning Algorithms, Market Research & Segmentation, Project Management

**Programming:** Python (Pandas, Numpy, Seaborn, Matplotlib, Plotly, BeautifulSoup, Scikit­learn, NLTK), R, SQL, C#

**Tools & Framework:** PyCharm, Visual Studio, Jupyter, MS Visio, GitHub, Jira, Azure DevOps, Agile (Kanban/Scrum), Sharepoint, Remedy

**Databases & BI tools:** Oracle, MS SQL Server, MySQL, MS Access, MS Excel, Informatica, Talend, Tableau, Power BI