

PRAFUL PRAVEEN BADAMI

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EDUCATION

Northeastern University, Boston, MA (GPA: 3.7)

Aug 2018 - Jun 2020

Master of Science in Information Systems

Relevant Courses: Advance Data Science and Architecture, Data warehousing and BI, Digital Marketing using AI

Visvesvaraya Technological University, Bengaluru, India

Sep 2012 - Jul 2016

Bachelor of Engineering in Electronics and Communication

Relevant Courses: Programming using C, Operating Systems, Data Mining, Programming using C++

PROFESSIONAL EXPERIENCE

Novant Health, Charlotte, North Carolina

Jul 2019 - Dec 2019

Data Scientist Intern

- Collaborated with marketing team to devise a **binary classification model** to predict the possibility of Knee replacement surgery with an accuracy of 72%
- Identified business challenges by **statistical analysis** and **data-driven recommendations** to the Leadership Team
- Spearheaded the development of 'Diabetes Risk Management' a **self-service PowerBI** application to track key performance indicators (**KPI's**), identify trends, and monitor patient's health quotient
- Automated reports using Python (Pandas) and complex **SQL** procedures, by cutting down the manual look up effort by 65%
- Conducted analysis on company's data and built a **PowerBI** Dashboard to identify leakage of \$71M to other facilities
- Established an **ETL** pipeline to accurately integrate large volumes of data on Microsoft SQL Server/Azure database utilizing **Talend** to accomplish advanced analytics
- Built a web – based search engine to examine company's master data by leveraging Microsoft **Azure Search** capabilities

Accenture Solutions Private Limited, Bengaluru, India

Application Development Analyst

Jan 2018 - Jun 2018

- Generated reports, dashboards, workbook using **Tableau** to envisage sale trends of clients' products
- Extensive involvement in **agile methodologies** requirement gathering, process improvement and assessing client's requirement
- Re-engineered existing ETL jobs to increase data accuracy, data stability, and pipeline performance
- Mentored and trained 5 mentees to provide continuous support and upgrade existing technical skills

Application Development Associate

Jan 2017 - Dec 2017

- Supported ETL process using Talend transforming data and diminishing inaccurate data on an average from 25% to 6%
- Conducted weekly monitoring and query **optimization** activities to enhance database performance
- Initiated and Organized 'Brown Bag Sessions' and 'New joiner Kit' to improve teamwork and reduce manual effort

ACADEMIC PROJECTS

Predicting Coupon Redemption: Digital Marketing Analytics

Performed Exploratory Data Analysis using **Python** and **Trifacta**. Built analytical dashboards using **Streamlit** as a Proof-of-concept to illustrate value of data-driven analytics. Built algorithms and recommended marketing strategies which accelerated sales by 20%.

Customer Segmentation using RFM: Data Science (Unsupervised Learning)

Performed Customer Segmentation based on RFM Analysis utilizing K-Means Clustering on superstore data. Categorized customers in terms of loyalty and Prevented loss of 1M customers and visualized using **Looker**.

Retail Data Warehouse: Data warehousing and Business Intelligence

Developed a Kimball **data warehouse architecture** to Implement ETL on **OLTP** and Flat files using **Informatica** and **SSIS**. Reduced the execution time by 40% in Talend for 50 M records. Analyzed **sales trends** using Tableau and PowerBI to track product metrics.

Chatbot: Conversational AI

Created a Chatbot leveraging Rasa AI framework, scalable across other platforms with minimal plug-ins. Integrated a technique to detect offensive words used and respond with a corrective measure and performed **Sentiment Analysis**.

Earthquake Magnitude Prediction: Data Science (Supervised Learning)

Implemented **data mining**, data pre-processing and **feature engineering** on data from **Amazon S3** using Python (**Pandas**). Devised a regression model to predict the magnitude of earthquake with **95%** accurate.

TECHNICAL SKILLS

Programming Languages:	Python, SQL, HTML, CSS, Spark SQL
Databases:	MySQL, Microsoft SQL Server, Oracle, DynamoDB
Analytical tools:	Tableau, Microsoft Excel, Microsoft PowerBI, Qlik Sense, SSRS, QuickSight
Software:	R Studio, MySQL Workbench, Jupyter, Spyder
Cloud Platforms:	Microsoft Azure, AWS Services
Data Integration:	Talend, SSIS, Informatica