Sayali Walke

BUSINESS INTELLIGENCE | DATA SCIENTIST

CONTACT

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PROFILE

Data Scientist with strong background in Business Intelligence who is proficient in delivering valuable insights through data driven approaches. Love to learn new technologies and be curious.

EDUCATION

2020
Northeastern University [Seattle, WA]
Master's in Information Systems

2013
Government College of Engineering [India]
BE Electronics & Telecommunication

TECHNICAL SKILLS

- **Python** (Pandas, Numpy, Seaborn, Scikit-learn, Matplotlib)
- **Machine Learning**
- **Data Analysis** (Python, SQL)
- **Business Intelligence** (Tableau, Power BI, ETL, SSIS, SSRS, SSAS, Amazon Redshift)
- **Statistics & Probability**
- **Big Data Systems** (Hadoop Map Reduce, MongoDB, DynamoDB, AWS EMR, Hive, Pig)
- **Programming** (Python, Java)

MANAGEMENT SKILLS

- Excellent Communication
- Manage Project Delivery
- Stakeholder Engagement
- Agile Development
- Excellent Presentation Skills

EXPERIENCE

Oct 2013-Sept 2014

Business Intelligence Engineer | Tata Consultancy Service

- Solved **Data Reconciliation** problem for Vodafone client by generating & supporting **12 types** of business reports. Created multiple visualizations using **Tableau** and **SSRS** to present reconciled data to management which gave unified view of data from multiple data sources. Designed **ETL** packages to integrate data with **SQL server.** Developed complex **PL/SQL** queries, functions, stored procedures to aggregate and analyze data from multiple databases. Regularly shared business KPIs with stakeholders for customer turnover rate, profitability & improving business operations which in turn led to preventing loss of **$1.5M.**

June 2015-Sept 2017

Data Analyst | Vidya Technology Solutions

- Collected **real time data** from sensors attached to the CNC machines to observe machine's health. Carried out **Data Cleaning and Processing** on sensor values to store on cloud. Performed diagnostic **data analysis** to identify patterns for key indicators (e.g. operating temperature, oil level etc.). Built a **Python & Internet of Things (IoT)** based Automated Machine Monitoring & Alarming System which resulted in reduction of average machine maintenance cost by **20%.**

ACADEMIC PROJECTS

Stock Market Analysis & Forecast (Python, SQL, PowerBI) Github

- Web scraped stock fundamentals data for over **500** stocks to perform **Time Series Analysis**. Built an interactive dashboard that allows users to make data-driven decisions. Developed and evaluated different models to forecast stock prices using **ARIMA, k-NN & Prophet.**

Big Data Analysis & Recommender (Python,Hadoop,Hive,EMR) Github

- Carried out data analysis on **130M+** Amazon customer reviews and derived various Numerical Summarization, Filtering and Data Organization patterns using Hadoop map reduce. Built a **Recommender System** to give smart recommendations to users.

House Prices Prediction (Python, Tableau) Github

- Applied regression machine learning models to predict the price of houses and carried out **exploratory data analysis** on dataset of 16000 records to understand the patterns and detect anomalies. Reduced **RMSE from 0.1257 to 0.062** using recursive feature elimination for feature selection.

Customer Segmentation (Python) Github

- Performed behavioral **customer segmentation** using **k-means clustering** technique. Grouped customers based on RFM (Recency, Frequency, Monetary) attributes to determine effective & tailored marketing strategies for **500k** customers.