

SAYALI BORSE

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SKILLS

Programming Languages:	SQL, Python, R, Java, JavaScript, Linux/Shell
BI & Analytics:	Tableau, Qlik Sense, QlikView, Power BI, TIBCO Spotfire, SSIS, SSAS, SSRS, Toad Data Modeler
Databases & Data Integration:	MS SQL Server, PostgreSQL, MySQL, NoSQL, Oracle, MongoDB, Talend, Alteryx
Other Tools:	GitHub, Jira, Salesforce, SharePoint, Docker, AWS

WORK EXPERIENCE

IT Engineering Intern | Healthedge, Burlington, MA Jun 2019 - Aug 2019

- Applied **Agile & Scrum** methodologies, following full software development life cycle (**SDLC**) gathering requirements, designing, developing, documenting, testing, and deployment in **Business Intelligence**.
- Wrote optimized **SQL** queries, designed and implemented tables, functions and views to generate verification reports.
- Designed **ETL** data pipeline templates for populating enterprise **data warehouse** and built scripts to generate direct load, SCD 1 and SCD 2 **SSIS** mappings.
- Developed several **Tableau** dashboards following **OLAP** and **Data Modelling** concepts to generate integrated dynamic data visualizations for **Data Analysis** and finding **Key Performance Indicators**.
- Automated package deployment for upgrading products using **Python** which increased the efficiency by **87.5%**.

Associate Software Consultant | Syntel, Mumbai, India Nov 2015 - Dec 2017

- Conducted walk-through, requirements gathering meetings and worked with the clients for gathering specifications.
- Completed the SDLC life cycle by writing technical documentation and providing support and maintenance of the application.
- Involved in creating **database** objects like tables, views, procedures, triggers, and functions using **T-SQL** to provide definition, structure and to maintain data efficiently.
- Optimized pre-existing stored procedures joining multiple tables to implement business logic using **MS SQL Server** resulting in reduction of execution times by **2 mins** on an average.
- Developed and tested extraction, transformation, and load (**ETL**) processes using various sources like XML, Excel, CSV.
- Provided production level on-call support for **ETL** processing, requiring time-critical resolutions to issues.
- Implemented data wrangling, cleaning, transforming, merging and reshaping data frames using **Python**.
- Worked with **Business Intelligence** tools such as **Tableau** and **Business Objects** to develop reports and provide data to clients.
- Developed **Tableau** visualizations and dashboards integrating data from multiple data sources using Data Blending.
- Access and transform massive datasets through filtering, grouping, aggregation, and statistical calculation for various projects.
- Created Custom SQL Queries in Tableau to get desired visualizations same as the dashboards done in Business Objects.
- Automated** multiple routine tasks for end users using **Python** and **shell** scripting.
- Performed **Quality Assurance (QA/QC)** audits, Configuration Backup and code migration to **Test** and **Production**.

ACADEMIC PROJECTS

Data Integration & BI on a Retail Store | SQL Server, Talend, Tableau, Qlik Sense, Power BI Sep 2019 - Dec 2019

- Developed a **data warehouse**, integrating data from diverse sources like CSV, MSSQL, PostgreSQL, SQL Server, Oracle, MySQL.
- Created mappings to extract data, load **facts** and **dimensions** into warehouse using various transforms, filters and joins.
- Performed **data integration** with 4M+ rows of data which involved data-conversion, error handling, loading erroneous records in rejects table, source to target mapping and calculating measures using **Talend**.

Google Appstore Database | Oracle, Toad Data Modeler, Python Sep 2019 - Dec 2019

- Designed a data model for Google AppStore using **Toad Data Modeler** and formulated over 40 business rules.
- Created and managed the database in **Oracle** using complex **SQL** queries, triggers to check the ACID property.

Data Mining | SQL, SSIS, Tableau Jan 2019 - May 2019

- Following **ETL**, cleaned a Bank dataset and designed relational database for removing anomalies using **SQL Server** and **SSIS**.
- Visualized ad-hoc A-B test and classification test for analyzing variables and combined multiple charts using **Tableau**.

Credit card Fraud Detection | Python, Docker, AWS Jan 2019 - May 2019

- Built a web application using Flask and deployed it on **Docker**. The data was fetched from **AWS S3** on the backend.
- Automated various manual tasks using **Python** and trained the dataset using Logistic regression, SVM, Random Forest Classifier, Naive Bayes algorithms to predict fraudulent activity efficiently with an accuracy of **96%**.

EDUCATION

Northeastern University, Boston, MA Jan 2018 - Dec 2019

Master of Science, Information Systems, **GPA – 3.4/4.0**

A.C. Patil College of Engineering, Mumbai, India Aug 2010 - Jul 2014

Bachelor of Engineering, Information Technology, **GPA – 3.8/4.0**