

# Aashna Shah

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## Summary

A **Data Analyst** professional with **3 years** of experience in Finance, Biotech, Education and IT Services industries. Proficient in performing statistical analysis and leveraging advanced machine learning techniques to generate actionable business insights.

## Skills

|                              |  |
|------------------------------|--|
| <b>Programming Languages</b> | Python, SQL  |
| <b>Version Control</b>       | Jenkins, Bitbucket, Anaconda Enterprise 5                            |
| <b>Analytical Tools</b>      | Tableau, SPSS, Alteryx, Google Analytics, IBM Watson, Advanced Excel |
| <b>Data Management</b>       | SSMS, SSIS, SSRS, Toad Data Point, MS SQL Server, MySQL              |

## Professional Experience

### Bank of America

**New York, NY**

**Data Analyst** - Global Risk Analytics

*Oct 2019 – Present*

- Built a complete **data lineage framework** for 14 mortgage models by mapping inputs from 18 authorized data sources and fetching data from 227 external sources via an inhouse BAC Mortgage Hub data lake, thus stewarding comprehensive data governance
- Integrated **Alteryx** with **Tableau** to generate scheduled Risk and Quality Analytics reports for all Front Line Unit models to identify risks and gaps that impact model data
- Performed data incident governance by managing these risks and gaps in Enterprise Data Incident Management tool
- Massaged and curated 20 years of historical data using **Python** to develop an incremental database to be used in FRY14 Reports for CCAR Stress testing
- Achievement:** Appreciated by leadership for driving data governance compliance for mortgage models from 48% to 100%

### Illumina Inc.

**San Diego, CA**

**Learning Systems Business Analyst Intern**- Global Information Systems

*Jun 2019 – Sep 2019*

- Established a **Dataflow** from Learning Management System cloud platform to **MySQL database** via SFTP server
- Automated **ETL** scripts in SQL workflow using tables, views, triggers and Stored Procedures to schedule regulated updates
- Created an **interactive dashboard** enterprise-wide Learning Systems Analyzer by utilizing **Tableau** actions, calculated fields and admin functions
- Integrated Identity Management features with **Tableau** to implement **role-based access** control for proper authorization
- Achievement:** Collaborated with 7 organizations within the company to analyse resource investment on employee training by implementing the Learning Systems Analyzer successfully

### California State University

**Fullerton, CA**

**Business Analyst** - Extension and International Programs

*Jun 2018 – May 2019*

- Generated predictive models with quantitative analysis on demographic, revenue and survey data to predict term-wise student enrolment using ML methods like **Classification & Multinomial Regression**; achieved **87% accuracy** on test data
- Performed **time-series analysis** of international program courses and certifications to predict probability of course enrolment by analysing trends in industry demand, current resource pool, ROI over 5 years
- Produced **ad-hoc** and easily consumable market reports using **Advanced SQL & MS Excel** to utilize market employment trends for Extension and International Programs' digital marketing campaign

### Accenture

**Mumbai, India**

**Business Analyst** - Ontario Municipal Employees Retirement System

*Nov 2016 – Jul 2017*

- Played an integral role in deployment of ERP-FMS using **Agile SDLC** for a pension fund company (OMERS) based in Canada
- Consolidated project's Business Requirement Document and translated it into IT Solutions with **Proof of Concept** for **feasibility analysis** of systems development
- Performed **requirement analysis** & determined KPIs to design ERP solutions for retirement benefits of nearly 500,000 local government employees
- Implemented **A/B testing** to evaluate new system functions and User Interface (UI)

## Education

### California State University

**Fullerton, CA**

- Master of Science in Information Systems - Business Analytics

*Aug 2017 – May 2019*

### University of Mumbai

**Mumbai, India**

- Bachelor of Engineering in Information Technology

*Aug 2012 – Aug 2016*

## Academic Project

### Heart Disease Predictor (Python)

- Cleaned raw unstructured data using data preprocessing techniques such as missing value handling, heat maps, continuous data to categorical data conversion, eliminating outliers & **Principle Component Analysis**
- Identified most impacting variables using machine learning algorithms like **Logistic regression, CART and KNN** & determined KPIs responsible for a heart disease and inferred the likelihood of a person succumbing to it