

SUMMARY

- Comfortable with **MERN** Stack development including but not limited to firebase authentication and CRUD Api.
- Over 8 years of experiences as a **Data Scientist/ Data Analyst/ Senior Tableau Developer/ R Shiny Developer**.
- Experienced with business intelligence (BI) tools such as **Tableau, Microsoft Power BI, QlikView/ QlikSense, Micro Strategy**.
- Strong UX/UI design experience for desktop as well as small form-factor mobile devices such as tablets and mobile phones.
- Collaborate with team and identify all the business requirements and take actions on priority.
- Experienced in employing **Tableau, Power BI, MATLAB, SSIS, R and Python** for data wrangling, data visualization, risk analysis and predictive analytics
- Experienced with machine learning tools and libraries such as **Python** (Pandas, Numpy, SciPy, StatsModels, Scikit-learn, matplotlib, seaborn, plotly, nltk etc), **R** (Caret, dplyr, ggplot2, tidyverse, lubridate, DT, plotly, shiny, knitr, Rmarkdown etc).
- Experienced on Digital Ocean cloud hosting.
- Developed R shiny projects ([dsfaisal.com/shiny](#)) and deployed in Digital Ocean cloud.

RECENT PROJECTS

Creative Agency | [Website](#) | [Github Client](#) | [Github Server](#)

- Responsive MERN Stack project with firebase authentication, admin authentication, persistent login and dashboard functionality for customer and admin
- Customer have ability to register in available services, check status of service(s) registered, and provide feedback
- Only admin can update the customer service status from pending to on going to done, add new service and new admin.
- Developed using react js, mongodb, firebase authentication, mongodb, react router, react hook form, bootstrap, node, express, heroku, session storage, and hosted in firebase.

Volunteer Network | [Website](#) | [Github Client](#) | [Github Server](#)

- Responsive MERN Stack project with firebase authentication and dashboard functionality for volunteer and admin.
- Volunteer can search, register in any event and view the events they already registered.
- Admin can view all the volunteer registered in any events and delete any volunteer if needed, also admin can add new event.
- Developed using react js, mongodb, firebase authentication, react router, react hook form, bootstrap, node, express, heroku, and hosted in firebase.

Travel Guru | [Website](#) | [Github](#)

- Responsive React JS Project with firebase authentication (gmail, facebook, github, email/ password).
- Only logged in user can book place to travel and check the hotel information with google map view.
- Developed using react js, firebase authentication, react router, react hook form, bootstrap, and hosted in firebase.

PROFESSIONAL EXPERIENCES

Bank of America, New York, NY **Senior Data Analytics Consultant**

September 2020 – Present

- Applying cutting edge classification, regression, and clustering techniques, including deep learning, to handle high dimensional feature and outcome distributions.
- Building predictive models and liquidity intelligence tools based on numerous data sources.
- Performing ad-hoc analysis and present results in a clear manner.

Healthfirst, New York, NY **Data Analytics Consultant with Tableau**

December 2019 – September 2020

- Developed aesthetically attractive visualization and following industry best practices to engage a large audience, and drive better business decision.
- Designed, developed, maintained, optimized, and automated the Appeals and Grievance tableau dashboard to identify the number of appeals and grievances case received and closed from both CCMS and Hyland.
- Developed and optimized modern UI design responsive dashboard for mobile and tablet devices to speed providing executives and leadership with condensed and timely analytics on their devices.

CVS Health (e- Zest Solutions), New York, NY/ Irving, TX
Data Scientist/ Senior Tableau Developer

June 2018 – December 2019

- Designed, developed, maintained, optimized, and deployed workflow tableau dashboard in tableau server, integrate the dashboard with web application via tableau JavaScript API and test in development and production environment and ensure tableau row level security.
- Developed claims surveillance tableau dashboard to predict and flag potential fraudulent claims and anomalies detection, outliers, and trend changes.
- Analyze and select several potential appropriate modeling approaches for a given analytic problem (machine learning methods such as Ensemble and classification models, Decision Trees, Random Forest, AdaBoost, Logistic regression, Clustering, Principal Component Analysis (PCA), operations research; statistical modeling such as multivariate techniques).

Capital One, NY
Data Scientist

November 2016 – June 2018

- Developed tableau dashboard for loan risk analysis, credit risk analysis, consumer spending and customer segmentation to improve targeted marketing strategies.
- Continuously built machine learning models from development through testing and validation to their 30+ million customers in production. ML used includes but not limited to Regression Analysis, Clustering, Boosting, XG Boost, SVM, and Random Forest, Bayesian HMM, Naive Bayes Classification, Principal Component Analysis (PCA), MCA, Feed Forward Neural Network (FFNN)

JP Morgan & Chase, Columbus, OH
Data Scientist (Consultant)

December 2015- October 2016

- Developed dashboard to analyze customer data to track customer journey and preferences which helped marketing operations team in deciding website design, promotional materials and launching new products like Chase mobile app.
- Analyzed high-volume data to investigate, identify and report trends linked to fraudulent transactions
- Built models using techniques like Regression, Tree based ensemble methods, Time Series forecasting, KNN, Clustering and Isolation Forest methods, C4.5, SVM and others

Medicare and Medicaid (CMS), VA
Data Scientist (Consultant)

October 2013- November 2015

- Built sentiment analysis models that scored all customers interactions with the organization and a topic model that automated classification of text conversations.
- Worked on customer journey analytics, enhancing knowledge on various channels, hence, improved the overall customer satisfaction and reduce operational cost.
- Developed accurate and insightful visualizations and dashboards using Tableau

SKILLS

Web Development: React JS, Firebase Authentication, JWT, Firebase Hosting, node JS, Express JS, React router, React hook, Redux, Mongodb, Heroku, Netlify, Vanilla JavaScript, ES6, Chrome Dev Tools, HTML, CSS, Bootstrap, Material UI, SEO, CDN

Data Science and Analytics: Tableau, Tableau Prep, Machine learning, Power BI, R, R-Shiny, Python, QlikSense, Google Analytics, SQL Server, Teradata SQL, SSIS, Jupyter notebook, pyCharm, Markdown, Github, Regex expression, familiar with PySpark, shell scripting, Gretl, Scala, spark, Sqoop, MapReduce, Amazon S3, Azure, Yarn, Seahorse and flask.

Other Tools: Excel (VLOOKUP, Pivot Table, excel vba etc), PowerPoint, Word, Visio, FireFTP, WinSCP, Putty, VS Code.

EDUCATION AND CERTIFICATIONS

Master's in Information Systems, CGPA- 3.77/4.00
The City College of New York, New York, NY
June 2018

Bachelor in Chemical Engineering, CGPA- 3.51/4.00
Shahjalal University of Science and Technology, Bangladesh
December 2008

- Certified Tableau Desktop Specialist, data analyst, data scientist, designer.
- Data Science professional certification- Harvardx
- Data Science Specialization- Johns Hopkins University
- Data Science and Data Analyst (R, Python, SQL, Reporting) Certifications- Datacamp.