

Rahheb Shaikh

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EDUCATION

Northeastern University, Boston *Master's in CPS Informatics - Data Analytics* May 2024
Decision Support and Business Intelligence, Data Management and Big Data, Data Mining Techniques and Applications, Predictive Analytics, Communication and Visualization for Data Analytics, Machine Learning, Probability and Statistics.
University of Mumbai, India *Bachelor of Engineering - Information Technology* September 2021
Artificial Intelligence (AI), Data Structures, Cloud Computing, Database Management Systems, Engineering Mathematics.

SKILLS

Programming & Analysis: Python(Pandas, NumPy, TensorFlow, Scikit-Learn), SQL(MySQL, PostgreSQL), R.
Data Science & Machine Learning: Predictive Modeling, Regression Analysis, Hypothesis Testing, Clustering, Time Series Analysis, Natural Language Processing, Statistical Analysis.
Data Visualization & BI: Tableau, Power BI, MS Excel, Looker Studio, Matplotlib, Seaborn, Plotly.
Cloud & Big Data: AWS, Google Cloud Platform, Microsoft Azure, Apache Spark, Snowflake, Salesforce.
Software tools: Jupyter Notebook, Anaconda, R Studio, Google Collab, ER Studio, VS Code, MySQL Workbench.

EXPERIENCE

Data Analyst October, 2024 – Present
Rebecca Everlene Trust Company - Chicago, IL, USA

- Leveraged Python(*Beautiful Soup, Pandas*) and SQL to extract and analyze data from **4,000** companies, ensuring **98%** data accuracy and reinforcing data integrity across key business processes.
- Utilized Excel visualizations, *pivot tables*, and advanced charts to drive insights and recommendations, optimizing the ASPECTS app and enhancing decision-making resources by **20%** for over **10,000** students annually in college relocation, cost assessment, and academic preparedness.
- Conducted data research on **2,500** companies in Illinois and **1,500** in Hawaii, harnessing *Python* libraries such as *Numpy* to clean and *standardize data*, improving usability and accuracy by **95%** for research.
- Partnered with cross-functional teams to elevate educational tools and services, boosting STEAM support by **25%** for over **500** students across **10+** targeted initiatives.

Data and Business Analyst March 2019 – August 2022
Textile Manufacturing Company - Mumbai, MH, India

- *Revolutionized* data management and business strategies by transitioning from paper-based methods to *SQL databases* and *Tableau dashboards*, enabling real-time data tracking, analysis, and accelerating decision-making by **40%**.
- *Streamlined* inventory management through data-driven insights, reducing excess inventory by **30%** and enhancing supply chain efficiency by cutting order processing time by **25%** successfully implementing financial analysis.
- Achieved a **70%** reduction in supply chain costs by conducting a comprehensive *cost-benefit analysis* and *customer analysis*, shifting to local suppliers to decrease delivery times from **1-2 weeks** to **1-2 days**, and cutting expenses.
- Secured **6** new local clients during the pandemic, expanding the client base from **17** to **23** and boosting profit margins by **2%** per unit through *strategic cost optimization* and *targeted data analysis*.

PROJECTS

Climate Justice Capstone Project - Web Crawling and Visualizations *Northeastern University* [Link](#)
• Orchestrated an end-to-end data collection project of **2,500+** faculty profiles across **9** Northeastern University schools websites implementing *Python* libraries like *BeautifulSoup, Selenium* and *Scrapy*.
• Executed keyword matching and data modeling to analyze faculty bios, identifying **450** climate-focused members.
• Developed a comprehensive *Tableau dashboard* featuring **12** interactive visualizations providing data solutions, including keyword frequency analysis on relevant *KPIs*, faculty engagement by college, and top faculty contributors.

Sponsored Project with TaxGPT.ca - Natural Language Processing *Northeastern University* [Link](#)
• Analyzed **11,500+** tax related queries using advanced *NLP techniques*, extracting **7** key topic categories and insights on user demographics and designed a webpage to present findings to stakeholders and **1 Million** users.
• Developed and trained *machine learning models*, achieving a high coherence score of **0.512** in *LDA topic modelling*, and created **10+** *data visualizations* for comprehensive executive summary.

British Airways Customer Review - Tableau Public Dashboard *Personal Project* [Link](#)
• Designed an interactive *Tableau dashboard* analyzing **1,324** British Airways customer reviews, covering **56** countries.
• Implemented **7** interactive filters to allow users to customize their analysis and visualized key metrics including cabin staff service, food and beverages, ground service, and value for money.

VOLUNTEERSHIP

Event Management Secretary and Digital Media Marketing Secretary *CESS & ABIT - RGIT* 2018-2021
• Led the organization of **27** technical seminars resulting in over **200** engaged participants; generated a comprehensive feedback report that identified three key areas for improvement, enhancing future seminar effectiveness and participant satisfaction.
• *Cultivated* a strong digital media presence for *ABIT*, driving a **20%** increase in engagement and enhancing visibility.

CERTIFICATIONS

Google Advanced Data Analytics Professional Certification *Pursuing* May 2024
Azure Administration Essential Training (2019) [Link](#) February 2024
R Essential Training: Wrangling and Visualizing Data [Link](#) January 2023