

# 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* Sept 2021  
Artificial Intelligence (AI), Data Structures, Cloud Computing, Database Management Systems, Engineering Mathematics.

## SKILLS

**Programming & Analysis:** Python, SQL, R, Pandas, NumPy, TensorFlow, Keras, Scikit-Learn, MATLAB, SAS.  
**Data Management & ETL:** Data Warehousing, MySQL, PostgreSQL, Oracle SQL, ETL Tools.  
**Machine Learning & Statistics:** Predictive Modeling, Regression Analysis, Hypothesis Testing, Clustering, Time Series Analysis, Natural Language Processing, Statistical Analysis.  
**Data Visualization & Business Intelligence:** Tableau, Power BI, MSEXcel, Looker Studio, Matplotlib, Seaborn, Plotly.  
**Cloud & Big Data:** AWS, Google Cloud Platform, Microsoft Azure, Apache Spark, Snowflake.  
**Software tools:** Jupyter Notebook, Anaconda, R Studio, Google Collab, ER Studio, VS Code, MySQL Workbench.

## EXPERIENCE

**Rebecca Everlene Trust Company - Boston, MA, USA** October, 2024 – Present  
*Data Analyst*

- 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.
- Leveraged 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 Massachusetts, using *Python* libraries like *Pandas* and *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.

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

- *Revolutionized* data management 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%**.
- Achieved a **70%** reduction in supply chain costs by conducting a comprehensive *cost-benefit analysis* and *supplier evaluation*, 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 data collection of **2,500+** faculty profiles across **9** Northeastern University schools websites using *Python* libraries like *BeautifulSoup*, *Selenium* and *Scrapy*.  
• Keyword matching for climate-related terms in faculty bios, leading to the identification of **450** relevant members.  
• Developed and presented a comprehensive *Tableau dashboard* featuring **12** interactive visualizations, including keyword frequency analysis, 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*(*NLTK*, *SpaCy*), extracting **7 Key topics** categories and insights on user demographics.  
• 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.  
• Designed a user-friendly webpage to present findings to stakeholders and **1+ Million users**

**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** dynamic 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  
• *Spearheaded* the organization and analysis of **27** technical seminars, engaging over **200+** participants for the *Computer Engineering Students Society (CESS)* and securing sponsorships that significantly boosted event participation.  
• *Cultivated* a strong digital media presence for the *Association of Budding Information Technocrats (ABIT)*, driving a **20%** increase in online engagement and enhancing community visibility.

## CERTIFICATIONS

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