

# 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, MSEXcel, 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 *KPI's*, 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 topics** 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](#) Feb 2024  
R Essential Training: Wrangling and Visualizing Data [Link](#) Jan 2023