

# Shaikh Rahheb

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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  
**University of Mumbai, India** *Bachelor of Engineering - Information Technology* Sept 2021  
Machine Learning, Data Structures, Algorithms, Computer Networks, Database Management Systems, Software Engineering, Probability and Statistics, Engineering Mathematics, Artificial Intelligence (AI).

## SKILLS

<b>Programming Languages and Libraries:</b>	Python, SQL, R, TensorFlow, Keras, Pandas, Numpy, Matplotlib, Scikit-Learn, Seaborn, Selenium, Scipy, AutoML, Beautiful Soup, Pytorch, Matlab.
<b>Databases:</b>	MySQL, Oracle SQL, SQLite, Microsoft SQL, PostgreSQL, BigQuery.
<b>Visualization tools and Cloud Platforms:</b>	Tableau, PowerBI, Looker Studio, Alteryx, Google Cloud Platform, Snowflake, Microsoft Azure, DataBricks, Amazon Web Services(S3).
<b>Software tools:</b>	Jupyter Notebook, Anaconda, R Studio, Google Collab, ER Studio, PyCharm, MySQL Workbench, MS Office, Adobe Photoshop, DV Resolve.

## EXPERIENCE

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

- **Data Analysis and Data Research**, gathering data from **4000 companies** from the web and analyzing it for accurate data integrity and analysis.
- Provide insights and recommendations to optimize **user experience** on the **ASPECTS app**, improving decision-making for over **10,000 students** relocating for education annually.
- Support app development and research teams by creating and refining **5+ data models**, ensuring a **95% accuracy** rate in educational resource data.
- Collaborate with cross-functional teams to enhance educational tools and services, improving support for over **500 students in STEAM** fields across **10+ educational initiatives**.

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

- **Implemented Excel and Python-based data management systems**, transitioning the business from paper-based methods to digital solutions, enabling real-time data tracking, analysis, and decision-making.
- **Optimized inventory management** by using data-driven insights to track stock levels and manage orders more effectively, reducing excess inventory and improving supply chain efficiency.
- Developed **data visualizations** for stakeholders, enabling clearer insights into sales, and production, which improved operational decision-making and saved significant time and resources.
- Achieved a **70% reduction in supply chain costs** by analyzing and shifting to local suppliers, decreasing delivery times from 1-2 weeks to 1-2 days, and cutting transportation costs.
- Acquired 6 new local clients during the pandemic, increasing the client base from 17 to 23, and **increased profit margins from 5% to 7% per unit sold** through data-driven cost optimization.

## PROJECTS

**Climate Justice Capstone Project - Web Crawling and Visualizations** *Northeastern University* [Link](#)

- Spearheaded data collection of over **2,500** faculty profiles across **9** Northeastern University schools using Python.
- 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** *Northeastern University* [Link](#)

- Analyzed **11,500+** tax related queries using advanced *NLP techniques*, 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 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.

## VOLUNTEER EXPERIENCE

**Event Management Secretary and Digital Media Marketing Secretary** *CESS & ABIT - RGIT* 2018-2021  
Organized and analyzed 27 technical and business seminars with 200+ participants for the Computer Engineering Students Society (CESS), securing sponsorships and increasing event participation and funding. Developed and managed a robust digital media profile for the Association of Budding Information Technocrats (ABIT), increasing online engagement by 20%.

## CERTIFICATIONS

Google Advanced Data Analytics Professional Certification	<i>Pursuing</i>	May 2024
Azure Administration Essential Training (2019)	<a href="#">Link</a>	Feb 2024
R Essential Training: Wrangling and Visualizing Data	<a href="#">Link</a>	Jan 2023