

SOUMITRA RAJEEV BHAGDIKAR

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EDUCATION

Northeastern University

Masters Of Science in Data Analytics Engineering; GPA: 3.8

Expected May 2025

Boston, MA

Relevant Courses: Data Management in Analytics, Foundation of Data Analytics, Statistical Learning, Data Mining

University Of Mumbai

Bachelors Of Engineering in Computer Engineering

May 2022

Mumbai, India

Relevant Courses: Machine Learning, Data Warehouse and Mining, Statistics, Database Management System

TECHNICAL SKILLS

- **Languages:** Python, Java, C/C++, HTML, CSS, JavaScript, SQL, SAS, XML, NoSQL, MATLAB
- **Databases and Visualization:** MySQL, MongoDB, Tableau, Power BI, QlikView, Power Apps, RapidMiner, Snowflake
- **Machine Learning:** Clustering, Classification, Regression, Association Rule Mining, Neural Networks, Image Processing
- **Data Analysis Libraries:** Pandas, NumPy, Matplotlib, Keras, PyTorch, Plotly, Scikit-Learn, TensorFlow
- **Certifications:** Data Science Certification (Top Performer of the course), Machine Learning and Python
- **Interpersonal Skills:** Problem Solving, Critical Thinking, Effective Communication, Multitasking, Problem Solving, Analytical Skills
- **Others:** Microsoft Applications, MS Word, MS Excel, Apache Spark Git, MS Office, Databricks, Large Language Model

PROFESSIONAL EXPERIENCE

Parker Hannifin

January 2023-July 2023

Information Technology Analyst

Mumbai, India

- Developed more than 30 visualization dashboards on Power BI, translating raw data into actionable insights and preprocessed data with more than 20k records using Power BI Query Editor
- Designed more than 15 user-friendly front-end applications using Power Apps to enhance the interactive experience.
- Automated master database connections on Power Automate to enable seamless data refresh upon updates.
- Proactively resolved IT queries from colleagues across multiple departments which improved time efficiency by 25%.

Tata Consultancy Services

January 2022-May 2022

Data Analyst Intern

Mumbai, India

- Investigated machine learning capabilities within 5 data visualization tools, including Power BI, Tableau, MS Excel, RapidMiner, and QlikView
- Cultivated robust client relationships by conducting periodic meetings to showcase progress and analyze their needs
- Organized 10 weekly sessions to present predictive capabilities of the tool to an audience of around 500 employees
- Compiled a comprehensive documentation summarizing the findings of the machine learning capabilities assessment

PROJECTS

Manufacturing Company Application || Northeastern University, MA

Dec 2023

- Developed conceptual models, (E)ER diagrams and UML Class diagrams, for a Manufacturing company
- Implemented the SQL version as well as the NoSQL version of the database in Oracle MySQL and MongoDB
- Mapped the primary key / foreign key relations, null / not-null constraints and inserted 500 records into the database
- Created a Python application to connect to the database and designed visualizations to extract insights from the data

Opportunity Tracker Dashboard || Parker Hannifin, Mumbai

May 2023

- Created a detailed Power BI visualization dashboard for sales opportunity overview in the financial year 2022.
- Filtered data with more than 10k records fusing Power BI Query Editor
- Designed and implemented a user-friendly front-end application on Power Apps to enhance user interaction
- Engineered a robust back-end flow on Power Automate to automate the updating process of the dashboard.

Automated Lip-Reading Sentence Prediction || University of Mumbai

May 2022

- Devised an application that could predict what a user is saying by analyzing his lip movements
- Created the dataset manually by recording videos and modeled VGG-16+LSTM model to predict lip movements of user
- Achieved an accuracy of 71% which was 2nd highest in this domain compared to previous works
- Filed a design patent for this project and got it approved by the Government of India

Impact of Pandemic on Global Economy || University of Mumbai

May 2021

- Conducted a comprehensive analysis of the global economic impact of the pandemic across 170 countries in Power BI
- Applied 4 machine learning algorithms including Multiple Linear Regression, Logistic Regression, K-Means Clustering, and Random Forest Regression, to derive meaningful insights from the dataset.
- Led a team of 10 members, handling the project's overall management, and individual progress.
- Obtained highest accuracy of 91% through the Random Forest Regression model.