

Shuvo Barman

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EDUCATION

Master of Science in Computer Science Memorial University of Newfoundland

St. John's, NL
Aug 2024

Coursework: Data Preparation Techniques, Machine Learning, Software Design Specifications, Industrial Machine Vision.

Bachelor of Science in Computer Science & Software Engineering American International University-Bangladesh

Dhaka, Bangladesh
Apr 2018

Coursework: Human Computer Interaction, Data Warehouse & Data Mining, Artificial Intelligence & Expert Systems, Embedded Technologies.

EXPERIENCE

Data Analyst (Revenue Assurance & Business Intelligence) UCB Fintech Company Limited

Dhaka, Bangladesh
Aug. 2021 – July 2022

- Developed and maintained ETL pipelines using PostgreSQL and Python scripting to ensure seamless data extraction, transformation, and loading processes.
- Created dashboards and visualizations using Redash and Tableau to communicate insights to customer care, marketing, sales, product, and tech operation teams.
- Designed and implemented machine learning models for predictive analysis like customer churn prediction, customer next transaction prediction, and customer transaction pattern analysis.
- Automated manual cashback system with Python script, reducing disbursement time from 24 hours to 30 minutes, resulting in a 25% decrease in customer complaints weekly.
- Assisted marketing team in the preparation of customer lists for campaigning, ensuring customer segmentation and validating campaign offerings, which increased campaign transaction volume by 15% weekly.
- Defined target group selection for product marketing based on specified criteria, thus increasing customer engagement by 12% weekly, and winning back 10% of churn customers.

Java Programmer (Android)

Dhaka, Bangladesh

Save the Children, Enroute International Limited, Dnet

Dec. 2018 – Aug. 2019

- Developed new software modules based on authorized SRS (Software Requirements Specification), encompassing interface, forms, database, algorithms, and coding.
- Created comprehensive technical documentation for implemented software and database systems, ensuring clarity and ease of understanding for future reference.
- Collaborated effectively with team members, utilizing version control systems such as Git to streamline modifications and assign tasks.
- Worked closely with stakeholders to gather and analyze requirements, facilitating effective implementation in collaboration with system analysts.
- Provided support to the project team, Government of Bangladesh, and various stakeholders in utilizing relevant technological tools, platforms, systems, and solutions.

FEATURED PROJECTS (more details at <https://github.com/Shuvob4>)

Amazon Product Recommendation System

- Implemented rank-based recommendation system using weighted function, item based collaborative filtering using KNNWithMeans, model based collaborative filtering using SVD, user based collaborative filtering using SVD, SVD++.
- Dealt with sparsity problem along with cold start problem.
- Evaluated implemented models with MAE, RMSE & precision metrics.

New York Airbnb Listing EDA and Price Prediction

- Performed data cleaning, removed outliers, dealt with missing values, exploratory data analysis, feature engineering, and feature scaling, applied machine learning model (Linear Regression & K-Neighbor Regressor) for predicting price.
- Achieved 79% accuracy in predicting price.

ADDITIONAL EXPERIENCE

Rice Bowl

St. John's, NL

Sales Associate

Oct. 2022 – Present

- Building rapport with customers and ensuring customer satisfaction.
- Attention to detail with multitasking.

SKILLS

Programming: Python (NumPy, Pandas, Scikit-learn), SQL, Java.

Visualization and Statistical Software: Python (Matplotlib, Seaborn), Tableau.

Others: MS Word, MS Power Point, MS Excel, Git, Agile, Linux, JIRA.