



Anik Kumar Majumdar

BS in Computer Science and Engineering

Contact

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Bashundhara R/A.

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Skills & Tools

Machine Learning & Deep Learning:

- Linear Regression, Logistic Regression, Decision Trees, Random Forests, SVM, Naïve Bayes, KNN, K-means, PCA
- CNN, RNN, LSTM, Autoencoders, Deep Neural Network (DNN)

Data Science & Analytics:

- Data Cleaning, Feature Engineering, Statistical Analysis, Predictive Modeling
- Data Visualization: Matplotlib, Seaborn, Plotly, Tableau, Power BI
- Big Data: Pandas, NumPy, SQL, MongoDB

Programming & Frameworks:

- Python (Scikit-Learn, TensorFlow, PyTorch), SQL, C++, Java, C
- Jupyter Notebook, Git, VS Code, MS Excel

Data Scientist with a strong foundation in AI, machine learning, and deep learning. Passionate about leveraging data-driven insights for predictive modeling and business intelligence. Experienced in research, model optimization, and end-to-end machine learning pipelines. Seeking a role to apply advanced analytics and ML techniques to solve real-world problems.

Education

MS in Computer Science and Engineering (Expected 2026)

North South University

BS in Computer Science and Engineering, 2022.

North South University

Specialization: Artificial Intelligence

Grade: 3.62 out of 4 | Award: Cum Laude

Higher Secondary Certificate Examination, 2017.

Govt. Yasin College, Faridpur.

Group: Science

Secondary School Certificate Examination, 2015.

Boalmari George Academy, Boalmari, Faridpur.

Group: Science

Work Experience

Research Assistant

North South University, Dept. of Electrical & Computer Engineering

January 2023 – December 2024

- Conducted literature reviews on ML/DL-based research topics.
- Collected and preprocessed large datasets for AI-based experiments.
- Developed and optimized machine learning and deep learning models.
- Performed hyperparameter tuning and model evaluation for performance improvement.
- Assisted in research proposal writing and academic documentation.

Teaching Assistant

North South University, Dept. of Mathematics & Physics

June 2021 – January 2022

- Conducted student consultations and provided academic support.
- Assisted in grading assignments and exams.
- Proctored exams and facilitated course-related activities.

Soft Skill

- Communication Skills
- Collaboration
- Critical Thinking
- Time Management

Hobby

- Bengali Novel Reading
- Bengali Poem Writing
- Flower Gardening
- Photography

Languages

- **English:** Advanced High(C1)
- **Bengali:** Distinguished (Native)

Projects

Predicting Customer Credit Mix: End-to-End Machine Learning Workflow

- Built a predictive model for credit mix classification, optimizing accuracy.
- Implemented data preprocessing, EDA, feature engineering, and model evaluation.
- Tools: Python, Scikit-learn, Pandas, NumPy, Matplotlib

Time-Series Forecasting of Carbon Monoxide and Nitrogen Dioxide Levels

- Developed a model to predict CO and NO₂ levels for environmental monitoring.
- Used Prophet forecasting model and analyzed seasonal trends.
- Tools: Python, Pandas, Prophet, Matplotlib

Sentiment Analysis on Amazon Product Reviews

- Built a sentiment classification model using NLP techniques.
- Applied TF-IDF, Naïve Bayes, Logistic Regression, and LSTM networks.
- Tools: Python, Scikit-learn, TensorFlow/Keras, NLTK, Seaborn

Certifications & Achievements

- Machine Learning Specialization – Coursera (Andrew Ng)
- Data Science Professional Certificate – IBM (Coursera)
- Full-Stack Data Science (iNeuron)

References

Dr. Rajesh Palit

Professor, Dept. of Electrical & Computer Engineering, North South University
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Dr. Md. Shariful Islam

Assistant Professor, Dept. of Mathematics & Physics, North South University
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