



ANIK KUMAR MAJUMDAR

Contact

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Dhaka

Professional Summary

Motivated Computer Science graduate with expertise in Software Engineering and Machine Learning. Skilled in C, C++, Java, Python, SQL, and modern frameworks, with hands-on experience in developing full-stack applications and database-driven systems. Strong background in machine learning, data science, and AI research, with proven ability to build predictive models and data-driven solutions. Passionate about solving real-world problems through efficient software design and intelligent systems, while continuously enhancing skills in both software development and machine learning engineering.

Skills

- C
- Java
- SQL
- MySQL
- MongoDB
- OOP
- Django
- TensorFlow
- Scikit-learn
- Jupyter Notebook
- MS Excel
- Power BI
- C++
- Python
- Git
- PostgreSQL
- Data Structures & Algorithms
- System Design (basic)
- Flask
- PyTorch
- GitHub
- VS Code
- Tableau

Experience

RESEARCH ASSISTANT

DEPT. OF ECE, NSU

Jan 2023 - Present

- Participated in team meetings to discuss progress on ongoing projects.
- Performed literature reviews to identify current trends in field being studied.
- Collected, reviewed and analyzed primary source materials to identify relevant information for projects.
- Assisted in designing research methodologies and protocols.
- Maintained research databases and organized data for analysis.
- Prepared charts, photos and graphs for presentations.
- Extracted and entered relevant scientific data and information into appropriate databases.
- Cleaned, maintained and prepared supplies and work areas.
- Wrote deviation reports, testing protocols and trend analysis technical documents.

TEACHING ASSISTANT

DEPT. OF MATHEMATICS & PHYSICS, NSU

Jan 2021 - Jan 2023

- Provided individualized support to students who required additional help with understanding concepts or completing assignments.
- Developed positive relationships with students through individual interactions and recognition of accomplishments.
- Identified student challenges and discussed corrective actions with lead teacher.
- Helped to explain assignments and test instructions to boost student comprehension.
- Supported the lead teacher in delivering instruction.
- Assisted teachers in planning and delivering lessons to students, ensuring the curriculum was followed.
- Helped students develop problem-solving skills.
- Prepared and proctored examinations.

Education

MS IN COMPUTER SCIENCE & ENGINEERING CANDIDATE
Expected graduation Jan 2026 | NORTH SOUTH UNIVERSITY

BS IN COMPUTER SCIENCE & ENGINEERING GPA 3.62
Jan 2022 | NORTH SOUTH UNIVERSITY

HSC IN SCIENCE
Jan 2017 | GOVT. YASIN COLLEGE

SSC IN SCIENCE
Jan 2015 | BOALMARI GEORGE ACADEMY

Certifications

- Java Programming and Software Engineering Fundamentals, Coursera (Duke University)
- Machine Learning Specialization, Coursera (Andrew Ng)
- Full-Stack Data Science, iNeuron
- Database Design and Programming with SQL, Oracle Academy
- Data Science Professional Certificate, IBM (Coursera)

Problem Solving Competitive Programming - Achievements

- Solved 200+ problems on Codeforces and LeetCode (focus on Data Structures & Algorithms).
- Participated in ACM ICPC preliminary rounds.

Projects

Hospital Management System

- Developed a hospital management system using Django and MySQL.
- Implemented patient registration, appointment scheduling, billing, and staff management modules.
- Designed and optimized relational database schema for scalability.
- Focused on backend APIs, clean coding practices, debugging, and testing.
- Used GitHub for version control and collaborative development.

Food Order Delivery System

- Built a food ordering and delivery application using Flask (Python) and MySQL.
- Implemented customer login, menu browsing, cart management, and order tracking.
- Designed backend APIs for order placement and delivery management.
- Emphasized clean code, testing, and teamwork using Git.
- Applied RESTful API principles for efficient data exchange.

Sentiment Analysis Web App

- Built a sentiment classification system using NLP (Logistic Regression, LSTM).
- Developed a Flask-based web interface and deployed on Heroku with SQL backend.
- Used Git for version control and implemented testing/debugging.

Predicting Customer Credit Mix

- Developed predictive model for credit mix classification with high accuracy.
- Implemented data preprocessing, EDA, and model evaluation.
- Tools: Python, Pandas, Scikit-learn, GitHub collaboration.

References

Dr. Rajesh Palit — North South University
Professor • Teacher

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Dr. Md. Shariful Islam — North South University
Assistant Professor • Teacher

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