

Ananya Saha

Dhaka, Bangladesh

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Objective

Motivated and detail-oriented Computer Science graduate with practical exposure to IT systems, software development, and data-driven solutions, seeking to build a professional career in the IT and digital services domain. Currently pursuing an MBA to strengthen my understanding of business operations, finance, and digital transformation. Possesses strong analytical thinking, problem-solving abilities, and a keen interest in technology-driven solutions. Aims to contribute to secure, efficient, and innovative digital platforms while continuously learning and growing within a dynamic organisational environment.

Technical Skills

- **Programming & Query Languages:** Python, SQL
- **Data Analysis & Visualization:** Power BI, Microsoft SQL Server
- **Tools & Platforms:** GitHub, Google Colab, MS Office
- **Concepts:** Data Analysis, Machine Learning Basics, Software Testing Fundamentals
- **Soft Skills:** Problem Solving, Communication, Teamwork, Leadership, Time Management
- **Business & Management Skills:** Business Analysis, Project Coordination, Financial Fundamentals, Supply Chain Basics, Strategic Planning, Process Improvement

Areas of Interest

- Software Development & IT Systems
- Data Analysis & Business Intelligence
- Quality Assurance & Process Optimization
- Technology-Driven Business Solutions
- Project Management & Operations Analysis

Education

- **Master of Business Administration (MBA) in Finance & Supply Chain** CGPA: 2.93
North South University *Expected Graduation: 2026*
- **Bachelor of Science in Computer Science & Engineering** CGPA: 2.63
North South University *Graduated: 2022*
- **Higher Secondary Certificate Examination** GPA: 3.58
Islamia Degree College *Passed: 2016*
- **Secondary Secondary Certificate Examination** GPA: 5.00
Chittagong Government High School *Passed: 2014*

Relevant Experience

- **Research Assistant – Machine Learning & Data Analysis** 2023 – 2024
Peer-Reviewed Journal Publications
 - Conducted applied research in machine learning, data analysis, and predictive modeling, focusing on real-world problem-solving using structured datasets.
 - Designed and implemented classification models using algorithms such as Support Vector Machines (SVM), ensemble methods, and statistical learning techniques.
 - Applied data preprocessing techniques including feature scaling, handling missing values, and class imbalance correction using SMOTE.

- Evaluated model performance using accuracy, precision, recall, and F1-score to ensure reliability and robustness.
- Utilized explainable AI methods such as LIME to improve model interpretability and decision transparency.
- Collaborated in research writing, experimentation, and peer-review submission processes, resulting in successful journal publications.

Publications

- **Ananya Saha**, et al. *Machine Learning-Based Prediction and Analysis for Intelligent Transportation Systems. Vehicles*, MDPI, 2025. DOI: 10.3390/vehicles7030089
- **Ananya Saha**, et al. *Diabetes Prediction Using Ensemble Machine Learning Techniques*. **International Journal of Artificial Intelligence (IJAI)**, 2025. DOI: 10.11591/ijai.v14.i1.pp408-415

References

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