



## AMIYO KUMAR DATTA

M.Sc. in Engineering  
Computer Science & Engineering  
Shahjalal University of Science and Technology

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Portfolio: [View Portfolio](#)

GitHub: [View Profile](#)

## ABOUT ME

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Enthusiastic and detail-oriented graduate in Computer Science and Engineering (CSE) with a CGPA of 3.71 from Sylhet Engineering College affiliated with Shahjalal University of Science and Technology (SUST). Experienced in deep learning research, with a focus on handwritten digit recognition, demonstrated through a successful thesis project. Skilled in programming, data analysis, and problem-solving, with a passion for technology and innovation. Currently pursuing a Master's in CSE at SUST to further specialize in deep learning and artificial intelligence. Seeking opportunities to contribute to innovative projects while growing professionally in the field of IT and research development.

## EDUCATION

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- **Shahjalal University of Science and Technology (SUST)**  
M.Sc. in Computer Science and Engineering  
2025-Present
- **Sylhet Engineering College**  
B.Sc. in Engineering in Computer Science and Engineering  
Passing year: 2024  
CGPA: 3.71/4
- **Barlekha Degree College**  
Higher Secondary Certificate (HSC)  
Passing year: 2018  
GPA: 4.42/5
- **Rukeya Khatun Lyceum School**  
Secondary School Certificate (SSC)  
Passing year: 2016  
GPA: 5.00/5

## RESEARCH

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### Published

1. Decoding Nagri: Handwritten Digit Recognition Using Deep Convolutional Neural Networks.  
Research Paper: [View](#)

### Ongoing

1. Deep learning techniques for multi-script handwriting recognition.

### Undergraduate Thesis

1. A Deep Learning Technique for Recognizing Nagri Handwritten Digits.

## EXPERIENCE

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### Research Assistant

- Conducted experiments on handwritten character recognition using CNN.
- Designed and optimized deep learning models and unique dataset for improved accuracy

## PROJETS

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- **Nagri Handwritten Digit Recognition:** Developed a Deep CNN-based model for Nagri digit recognition with a unique dataset.
- **Student Result Management System:** Created a full database application to streamline result management system using MySQL, Java.

## CERTIFICATES AND ACHIEVEMENTS

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- **Python Developer** – Sololearn (Issued: 08-10-2024)
- **Advanced SQL** – Hackerrank (Issued: 19-12-2024)
- **Introduction to Data Analysis** – Coursera (Issued: 17-01-2023)
- **Intro to Machine Learning** – Kaggle (Issued: 15-12-2024)
- **Problem Solving** – Hackerrank (Issued: 10-02-2021)

## TECHNICAL SKILLS

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- **Languages:** Python, C/C++, Java, SQL, MySQL, Oracle.
- **Frameworks/Tools:** TensorFlow, Scikit-learn, Git, LaTeX.
- **Developer Tools:** Jupyter Notebook, PyCharm, VS Code, NetBeans, CodeBlocks.
- **Specializations:** Data Science, Deep Learning, Machine Learning, Data Structures, Algorithms, Artificial Intelligence, Natural Language Processing (NLP), Computer Vision.

## POSITION OF RESPONSIBILITY

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- Former active member: SEC CSE Research Club.
- Former active Member: CSE Society

## CO-CURRICULAR ACTIVITIES

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- Regular blood donor.
- Volunteered during natural disasters in Bangladesh.
- Four years' experience of home tutoring.

## REFERENCE

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### **Md. Abu Naser Mojumder**

Assistant Professor & Head  
Dept. of CSE, Sylhet Engineering College  
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### **Nayan Kumar Nath**

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