

# Niazi Mahrab

**Studying Computer Science and Engineering at North South University**

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## Personal Profile:

I am a hardworking, motivated and enthusiastic administrative assistant with a proven track record in project management. I always try to achieve the highest standard possible, at any given task and situation. I am accustomed to working in challenging and fast-paced environment, particularly when dealing with multiple projects and priorities at the same time.

## Education:

### BSc(hons) on Computer Science and Engineering:

**North South University (Jan, 2017- Jan, 2021)**

## Research:

- "Automated Student Review System with Computer Vision and Convolutional Neural Network", Authored by Abrar Faisal, Sadman Chowdhury Siam, Niazi Mahrab, A K M Bahalul Haque, Md. Naimul Islam Suvon accepted by 2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS) at School of Engineering and Technology, Sharda University Uttar Pradesh, Greater Noida, India (will be published in IEEE Xplore after conference (19-20 February, 2021)).
- Restaurant food review system using CNN.

## Projects:

- Hostel management system (using C). A management system for students in a hostel.
- Hospital management system (using Java). A management for doctor, patient, nurse, cabin booking in a hospital.
- E-commerce website (Python, Django). Website for buying and selling.
- Digital prescription (Python, Django). It is mainly a web application for doctor and patient. Doctor need not write the prescription by hand written and both patient and doctor get a prescription copy which will be saved in database. Any time doctor and patient can see their prescription by user id.
- Seven segment display. It is a hardware based project. A display monitor showed CSE 231 SECTION 9. It also showed by gapping a letter and also showed reversely.

- Bi directional visitor counter. It was made by Adriano. It counted the visitors, when someone entered it was incremented by 1 and when leaving it was decremented by 1. Finally, when no one is in the room it shuts down all lights and fans.

#### **Technical skills:**

- C, C++ programming using code-blocks.
- Java programming using eclipse, NetBeans.
- Python programming using vs code, atom.
- Web developing using html, CSS, Django, JavaScript
- Data structure
- Machine learning, Computer vision, CNN (convolution neural network)
- AutoCAD, SketchUp
- Multisim
- Emu8086
- GitHub, Slack, Trello
- Microsoft Office

#### **Soft skills:**

- Leadership
- Management
- Willingness to learn new things
- Handling criticism

#### **Topic done:**

- **Core:** Computing Concepts (C programming), Data Structures, Digital Logic, Computer Organization and Design, Electrical Circuits, Theory of Computation, Database Systems, Software Engineering, Microprocessors and Assembly Language Programming, Computer Networks, Internet and Web Technology, Design and Analysis of Algorithms.
- **Mathematics and physics:** Pre-Calculus, Discrete Mathematics, Linear Algebra, Calculus and Analytical Geometry I, Calculus and Analytical Geometry II, Calculus and Analytical Geometry III, Engineering Mathematics, Probability and Statistics, General Physics I, General Physics II.

**School:** Bindubashini Govt Boys' High School, Tangail.

**College:** Mahmudul Hasan College, Tangail.

#### **Achievement:**

- In class V, scholarship.

- In class VIII, scholarship.
- In SSC (GPA 5.00)
- In HSC (GPA 5.00)

**Sports:**

- Badminton, Cricket, Football
- Gaming: Dota2

**Language:** English, Bangla.

**Experience:**

- Worked at IEEE NSU student branch for 1 year.