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**Objective:** To develop a career in a professional and challenging environment that ensures me the best use of my knowledge, skills, efficiency and creativity and where there is an opportunity of self- assessment and improvement through gathering and sharing knowledge.

**Education:**

Bachelor of Science in Computer Science and Engineering | BSCSE

**Year**

MAY 2016-PRESENT

NORTH SOUTH UNIVERSITY

BASHUNDHARA, DHAKA

CGPA: 2.77/4.0

HSC

2013-2015

SCHOLARSHOME

SHAHI EIDGHA, SYLHET

GPA: 3.92/5.00

SSC:

2011-2013

SHAHJALAL JAMIA ISLAMIA SCHOOL AND COLLEGE

MIRABAZAR, SYLHET

GPA: 5.00/5.00

**Projects/ Relative Course Work**

**Course name:** Senior Design Project | **Course Code:** CSE499

**Title:** Automated Face Recognition Attendance System.

An attendance system which is able to identify its employees; whose attendance needs to be assigned automatically without any human touch.

Each organization needs an attendance system to record employees' attendance every day. But there is no other way to ensure their presence in office after marking their attendance or total hour they spend in their office each day.

In final capstone project, we have proposed an artificial intelligence-based attendance system that identifies employees face region using HaarCascade classifier and then Local Binary Pattern Histogram to identify each employee. Our proposed system takes attendance in each two minutes and store them the record in relational database.

**Course name:** Directed Research | **Course Code:** CSE498R

**Title: Modeling and Simulation of Task allocation Behavior of Red Harvester Ants in Multiagent System.**

Swarm intelligence is the best example of collective behavior of decentralized, self-organized, task allocation in some animals and insect society. This ability inspired engineers and researchers to develop a system that will be able to take decentralize decision.

My aim was to develop a model based on task-allocation behavior of Red Harvester (*Pogonomyrmex barbatus*). Modeling and simulation was developed in Netlogo multi-agent programmable environment. In Netlogo I have shown Task allocation with self decision making ability is far better than without decision making ability and task allocation behavior.

### **Skills**

**PROGRAMMING LANGUAGES:** C, C++, Java, Python, MATLAB, Netlogo, MySQL

**PROGRAMMING LIBRARIES:** OpenCV, Scikit-learn, Pandas, Numpy, Turi-Create, Librosa, Matplotlib, Tensorflow, Keras.

**OPERATING SYSTEMS:** macOS, Ubuntu, Windows, Linux Mint

**VERSION CONTROL TOOLS:** Github

**PRESENTATION AND DOCUMENTATION TOOLS:** Microsoft PowerPoint, Microsoft Excel, Microsoft Word, Libre PowerPoint, Libre Excel, Libre Word, Apple Pages, Latex.

**INTERPERSONAL/ SOFT SKILLS:** Innovation, Research, Decision Making, Leadership, Adaptability and Self-Motivation.

**Extracurricular Activity:** I was a general member of North South University Art and Photography Club. As a member of the club I worked to organize the International Inter University Photography Exhibition 2016. My role was to hang up exhibition pictures according to their categories in Bangladesh Shilpokola Academy.

**Hobbies or Interest:** In my leisure time I go for solo bike rides around the city. Rather than that I watch movies in my free time.

### **Reference:**

Dr. Shazzad Hosain

Professor

Department of Electrical & Computer Engineering

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