

SHOAIB AHMED DIPU

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EDUCATION

Brac University, Mohakhali, Dhaka, Bangladesh

January 2017 - January 2021

Bachelor of Science in Computer Science and Engineering

CGPA : 3.91 / 4.00

Thesis : **An Active-Learning based Training-Schedule for Biomedical Image Segmentation on Deep Neural Networks**

Supervisors : [Mahbubul Alam Majumdar](#), [Sowmitra Das](#) and [Shahnewaz Ahmed](#)

Rajuk Uttara Model College, Uttara, Dhaka, Bangladesh

January 2009 - August 2016

Higher Secondary Certificate Examination (H.S.C) : GPA 5.00 / 5.00 (GP 5.00 in All Subjects) 2016

Secondary School Certificate Examination (S.S.C) : GPA 5.00 / 5.00 (GP 5.00 in All Subjects) 2014

EXPERIENCE

Department of CSE, Brac University

September 2019 - December 2020

Student Tutor (Undergraduate Teaching Assistant)

- Courses Taught : **CSE110** : Programming Language I (Structured Programming), **CSE111** : Programming Language II (Object Oriented Programming)
- Responsibilities :
 - Attended Lab Classes and assisted the Faculty Members to conduct the Classes.
 - Graded Quiz and Assignment scripts.
 - Provided 15 Hours / Week as Consultation Hours for Students and assisted them with Problem Solving and Exam Preparation.
 - Selected Learning Materials, Textbooks and Equipment to Facilitate Tutoring and Helped Students to develop Good Study Skills and Habits.

Department of MNS, Brac University

July 2020 - September 2020

Student Tutor (Undergraduate Teaching Assistant)

- Course Assisted : **MAT216** : Linear Algebra and Fourier Analysis
- Responsibilities :
 - Typeset Lecture Notes, Assignment Problem Sets and Examination Problem Sets in LaTeX.
 - Prepared Problem Sets for Assignments and Examinations from Question Pools.
 - Prepared Short Instruction Tutorials for students to make their transition easier from Regular Semester to Online Semester and **buX**.

Office of Academic Advising, Brac University

January 2019 - December 2019

Student Mentor of First Year Advising Team (FYAT)

- Responsibilities :
 - Mentored a group of 60 students throughout their First Year at University.
 - Let them know all Academic Information, Rules, and Regulations.
 - Helped them to avail all Opportunities and Facilities of the University

TECHNICAL SKILL

Programming Languages

Java, Python, C/C++

Other Languages

MATLAB, Mathematica, L^AT_EX, x86 Assembly, Bash, Verilog

Web Programming

PHP, MySQL, HTML5

Library

Keras, Scikit-learn, Pandas, NumPy, Matplotlib, JOGL

Software & Tool

Git, Altera Quartus, Microwind, PSpice, emu8086

HONORS & AWARDS

Vice Chancellor's Certificate for Residential Semester, Brac University
Top 4.4%

March 2018

- Vice Chancellor's Certificate for high standard of Discipline and Devotion during Residential Semester at [Savar Campus](#) (Fall 2017).

VC's List and Dean's List Award, Brac University

May 2017 - January 2021

- Got placed on VC's List for **6** semesters as recognition of achieving a GPA of 3.90-4.00 on those particular semesters.
- Got placed on Dean's List for **5** semesters as recognition of achieving a GPA of 3.70-3.89 on those particular semesters.

Merit Based Scholarship, Brac University

January 2017 - January 2021

- **70%** waiver on Tuition Fees in every semester.

PARTICIPATION

Grand Finalist of 'Champions of Earth : Season I', North South University
Top 2.7%

January 2015

- Participated in an Environmental based Idea Generation Competition. Around 296 teams participated in first round and 8 teams made it to Grand Finale. Organized by [Earth Club of North South University](#).

TALK & PRESENTATION

Short Introduction to Neural Networks and Deep Learning

November 2019

Venue : Department of CSE, Brac University

RELEVANT COURSEWORK

- Machine Learning • Artificial Intelligence • Pattern Recognition • Modern Probability Theory and Stochastic Processes

ACADEMIC PROJECT

- Luggage Security Alarm System (Digital Logic Design)
- [Automation on Agriculture Field by Creating Mesh Network using esp8086](#) (Microprocessors)
- [Employee Management and Performance Tracker System](#) (Database Systems)
- Automated Restaurant Management System ([Software Engineering](#), [System Analysis And Design](#))
- [Maze Solver and Android based Bluetooth Controlled Robot](#) (Digital System Design)

REFERENCE

Referee I

[Sowmitra Das](#)

Lecturer

Department of CSE, Brac University

66, Mohakhali C/A, Dhaka - 1212

sowmitra.das@bracu.ac.bd

Referee II

[Md. Saiful Islam](#)

Lecturer

Department of CSE, Brac University

66, Mohakhali C/A, Dhaka - 1212

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