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, LaTeX, 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 March 2018
Top 4.4%

· 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 January 2015
Top 2.7%

· 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 • Linear Algebra
- Elements of Statistics and Probability • Modern Probability Theory and Stochastic Processes
- Data Structures • Algorithms • Computer Graphics • Operating Systems • Compiler Design
- Numerical Methods • Database Systems • Software Engineering • System Analysis and Design

ACADEMIC PROJECT

- 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

Available on request.