SHOAIB AHMED DIPU

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EDUCATION

Bachelor of Science in Computer Science and Engineering   January 2017 - January 2021
Brac University, Mohakhali, Dhaka, Bangladesh
CGPA : 3.91 / 4.00 [Highest Distinction]

RESEARCH

Undergraduate Thesis
**An Active-Learning based Training-Schedule for Biomedical Image Segmentation on Deep
Neural Networks**   *January 2021*

· Supervisors : Mahbubul Alam Majumdar, Sowmitra Das, Shahnewaz Ahmed

Journal Publication
**CDSImpute: An Ensemble Similarity Imputation method for single-cell RNA sequence
dropouts**   *Under Review in* **Computers in Biology and Medicine, IF : 4.589**

· Authors : Riasat Azim, Shulin Wang, **Shoaib Ahmed Dipu**

APPOINTMENT

Lecturer   May 2021 - Present
Department of CSE, Northern University Bangladesh

· Courses Currently Teaching : Object Oriented Programming, Theory of Computation, Compiler Design,
Introduction to Computer, Web Programming, Database Programming

· Responsibilities : • Conducting Theory & Lab Classes (Course Load : 15.0-18.0 Credits). • Grading
Scripts, Setting Up Questions & Invigilating for Exams. • Supervising Thesis / Projects of Undergraduate Students. • Designing & Coordinating Outcome Based Education (OBE) Curriculum • Conducting
Administrative Tasks.

Student Tutor (Undergraduate Teaching Assistant)   September 2019 - December 2020
Department of CSE, Brac University

· Courses Taught : CSE110 : Programming Language I, CSE111 : Programming Language II

· Responsibilities : • Attended Lab Classes & assisted the Faculty Members. • Graded Quiz & Assignment scripts. • Provided 15 Hours / Week as Consultation Hours & selected Learning Materials to
Facilitate Tutoring & Helped Students to develop Good Study Skills and Habits.

Student Tutor (Undergraduate Teaching Assistant)   July 2020 - September 2020
Department of MNS, Brac University

· 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**.

Student Mentor of First Year Advising Team (FYAT)   January 2019 - December 2019
Office of Academic Advising, Brac University

· 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++, R
Other Languages	MATLAB, Mathematica, LaTeX, x86 Assembly, Bash, Verilog
Web Programming	PHP, MySQL, HTML5
Library	TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, JOGL
Software & Tool	Git, Altera Quartus, Microwind, PSpice, emu8086

HONOR & AWARD

VC's List and Dean's List Award, Brac University   May 2017 - January 2021

• Got placed on Vice Chancellor'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.

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).

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

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)

SERVICE

Organizing & Hosting Webinars

Organize and Host Webinars regularly where guests both from Academia and Industry are invited to share their journey and experience with the students of the School of Science and Engineering, Northern University Bangladesh.

REFERENCE

Available on request.