

# SHOAIB AHMED DIPU

Email : [shoaibahmeddipu@gmail.com](mailto:shoaibahmeddipu@gmail.com), Contact No : +8801712892626

Linkedin : <https://www.linkedin.com/in/shoaibdipu>

## EDUCATION

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**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

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**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. Conducted Tutorial Classes before Exams. Provided 15 Hours / Week as Consultation Hours for Students. Assisted Students 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  $\text{\LaTeX}$ . 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

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**Programming Languages**

Java, Python, C/C++

**Other Languages**

MATLAB, Mathematica,  $\text{\LaTeX}$ , 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

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### **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

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### **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

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### **Short Introduction to Neural Networks and Deep Learning**

November 2019

Venue : Department of CSE, Brac University

## RELEVANT COURSEWORK

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

## ACADEMIC PROJECT

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- 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

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### **Referee I**

**Sowmitra Das**

Lecturer

Department of CSE, Brac University

66, Mohakhali C/A, Dhaka - 1212

[sowmitra.das@bracu.ac.bd](mailto:sowmitra.das@bracu.ac.bd)

### **Referee II**

**Md. Saiful Islam**

Lecturer

Department of CSE, Brac University

66, Mohakhali C/A, Dhaka - 1212

[md.saiful.islam@bracu.ac.bd](mailto:md.saiful.islam@bracu.ac.bd)