

MASFIQ REZA

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EDUCATION

BRAC University, Dhaka, Bangladesh

2018-2022

Bachelor of Science (B.Sc.) in Computer Science and Engineering

CGPA: 3.80/4.00

BSc Thesis: Design and Evaluation of Convolutional Neural Network for Detection of Alzheimer's Disease Using MRI Data. Supervised by: Dr Mohammad Zavid Parvez, Professor, Dept. of CSE, BRAC University

Colorado State University, Colorado, United States

2024-Present

Master of Science (M.Sc.) in Computer Science

CGPA: 3.83/4.00(as per Spring 2025)

Current working under the supervision of Dr Sangmi Lee Pallickara, Professor, Computer Science, Colorado State University

RESEARCH INTERESTS

- Machine learning
- Artificial intelligence
- Big Data
- Deep Learning
- Neural Network
- Computer Vision

TEST SCORES

Test	Overall	Section Scores
IELTS	7	Listening: 7.5/9, Reading: 7.5/9, Speaking: 7/9, Writing: 6.5/9

PROFESSIONAL EXPERIENCE

Colorado State University Graduate Teaching Assistant

Aug 2024 - Present

- Assist instruction for Operating Systems, Modern Cybersecurity, and Modern Web Development (labs, recitations, reviews)
- Office hours; mentor students on programming, debugging, and tooling (Linux/C/C++, Python, Git)
- Grade assignments and exams with clear rubrics; develop autograder scripts and provide detailed feedback
- Coordinate with instructors to design lab activities, proctor exams, and manage course logistics on Canvas.

Uttara University Lecturer

Feb 2023 - July 2024

- Design and deliver course lecturer and material for the students, engage students in class discussions, answer their questions and give feedback on assignments and exams.
- Conduct research and collaborate with colleagues on research projects and interdisciplinary initiatives

BJIT Limited Trainee Software Engineer(SQA Automation)

Nov 2022 - Feb 2023

- Performed different types of testing on software and systems like Manual testing, Automation Testing (Selenium, TestNG), Penetration Testing (Scanning, foot printing, system hacking, information gathering and enumeration), Load Testing(Apache JMeter) and API Testing(Postmen)
- Creating and implementing test scenarios for a diverse range of applications

Student Tutor

- Taught students about Data Communications and Basic Programming language courses
- Graded Assignments and helped Faculties in both theory and lab classes

AWARDS AND ACHIEVEMENTS

VC's List Award: Academic Honor by BRAC University, for attaining a GPA of at least 3.9 in a semester
(Achieved 3 times) 2022

Dean's List Award: Academic Honor by BRAC University, for attaining a GPA of 3.75-3.9 in a semester
(Achieved 5 times) 2022

University Merit Scholarship: Academic Honor by BRAC University, for academic excellence at under-graduate study. 2018

University Stipend: Scholarship provided by BRAC University for academic excellence. 2018

SKILLS

Programming Languages	Python, C++, C, Java, HTML, CSS, PHP , Dart , Javascript, Latex
Frameworks	Django, Selenium, Node.js, Bootstrap, Flutter, j-query
Software and Visualization Tools	Proteus Design Suite, Webots, Cisco Packet Tracer, Matplotlib
Databases	MySQL
ML technologies	Pytorch, Spark, Numpy, Scikit-learn, Pandas

PROJECTS

Neural Network model for Alzheimer's Disease classification from MRI images [\[link\]](#)

Technologies: Python, Jupyter Notebook, PyTorch

- Custom Convolutional Neural Network Model to detect the Alzheimer diseases from three dimentional MRI images using [ADNI dataset](#)

Cross-platform Sentence Checker app for Android and iOS [\[link\]](#)

Technologies: Dart, Flutter

- Sentence checker app like Duolingo

Complete web based software for shop management [\[link\]](#)

Technologies: Python, Django

- Complete web based application for shop finance management

Web based messaging application [\[link\]](#)

Technologies: Javascript, CSS, HTML

- Simple web application for chat

EXTRA CURRICULAR ACTIVITIES

Article Writing

Drawing

Reading