



# 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

Aug 2024 - Present

#### Graduate Teaching Assistant

- 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

Feb 2023 - July 2024

#### Lecturer

- 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

Nov 2022 - Feb 2023

#### Trainee Software Engineer(SQA Automation)

- 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

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

## AWARDS AND ACHIEVEMENTS

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**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 undergraduate study. 2018

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

## SKILLS

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

## PROJECTS

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**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 dimensional 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

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Article Writing

Drawing

Reading