

# MD. Robayet Ahasan Rifat

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## Education

### United International University-Bangladesh

Bachelor of Science (BSc) in Computer Science and Engineering

📅 2020-2024

CGPA: 3.22 on a scale of 4.00

Relevant Courses: Software Quality Assurance, System Analysis & Development, Data Structure, Algorithm, OOP, Database Management, Computer Network, Artificial Intelligence, Machine Learning, Image Processing, Bioinformatics

- credit completed: 137 out of 137 (major in data science)

### Dhaka City College-Dhaka

Higher Secondary Certificate (Science)

📅 2019

## Professional Summary

*"Recent Computer Science graduate aspiring to build a career as a Software QA Engineer with a focus on automation. Skilled in Selenium, JMeter, and Postman, with hands-on experience in testing. Eager to learn & contribute to delivering reliable and high-performing software solutions while growing in the field of quality assurance."*

## Projects

### Orange HRM website testing [\[Report\]](#)

- For Conducted comprehensive testing for the Orange HRM website, implementing a range of testing tools, including PHPUnit, Cypress, Selenium, LoadRunner, and JMeter.
- Focused on **Selenium testing**, where I developed, selected, and executed automated test cases to ensure robust functionality and performance.
- **Collaborated** on a case study to evaluate the website's reliability and performance under different scenarios, contributing to high-quality assurance and enhanced site usability.

### Open Cart Test Automation Project [\[GitHub\]](#)

Tools & Technologies: Selenium WebDriver, TestNG, Java, Maven

- Developed and implemented test automation scripts for the **OpenCart** webpage
- Utilized **Selenium WebDriver** for automating browser interactions and **TestNG** for managing and executing tests, ensuring reliable test reporting.
- Maintained **Java**-based test scripts for creating reusable and scalable test cases, improving testing efficiency.
- Managed project dependencies using **Maven** to streamline project setup and build processes.

### Orange HRM Test Automation [\[GitHub\]](#)

Tools & Technologies: Selenium WebDriver, Python, unittest, Excel, HTML Report

- Developed and automated test cases for **Orange HRM** using **Selenium WebDriver** and **Python unittest**, ensuring accurate testing of the Orange HRM platform.
- Implemented both **data-driven** and **hardcoded** test cases for the PIM module functionalities.
- Integrated **Excel** for managing test data, enabling efficient test case execution with varying input data sets, and Generated detailed **HTML test reports** to track test execution results, making it easier for stakeholders to analyze the test outcomes.

### E-Commerce Web App [\[GitHub\]](#) [\[Live\]](#)

I developed an e-commerce web app using Nextjs file routing, I implemented JWT web tokens for secure user authentication and used password encryption to protect user credentials. The app features a well-organized product listing, a dynamic shopping cart, and integrates the SSL Commerz payment gateway for secure transactions. For data management, I used MongoDB to store product and user information efficiently. (Tailwindcss, NextJs, File Routing, MongoDB, JWT, SSL Commerz Payment Gateway)

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## Research Work

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**“An Approach to Classify Ocular Toxoplasmosis Images Using Deep Learning Models”** – Eye inflammation disease that occurred from a parasite attack called Toxoplasma gondii. Using Deep Learning, we have classified into healthy eye, unhealthy eye, and active eye. It was published at the ICCIT Conference in Cox’s Bazar 2023. [\[Link\]](#)

**“Movie Genre Prediction Using Graph Neural Networks (GNNs) from IMDb Movie Posters”**- FYDP research project which get me a 1<sup>st</sup> runner up prize in UIU project show.

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## Skills

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**Testing Tools:** Selenium, JMeter, Postman

**Languages:** C, Python, Java, JavaScript

**Methodologies:** Agile, Waterfall, V-Model

**Frameworks:** NextJS, TailwindCSS

**Tools & Software:** Jira, Git, VScode, Eclipse

**Database System:** MySQL, MongoDB

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## Co-curricular Experience

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Secretary of Public Relations  
UIU Robotics

Campus Ambassador  
Amar iSchool

Head of Event  
UIU Entrepreneur Development Forum

Vice President  
Alokito Foundation

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## Honors & awards

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- **1st Runner Up of the CSE project show! Summer'23 (Final Year Design Project-I)**
- **2nd Runner Up of the CSE project show! Fall'22 (Advanced Object-Oriented Programming)**
- **Champions of the CSE project show! Fall'22 (Microprocessor, Microcontroller Lab)**
- **Scholarship based on trimester result (Obtained scholarship in several trimester)**

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## Course and Certificates

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- Software Testing for Developers by Coursera: [\[Link\]](#)
- Advanced SQL by Kaggle: [\[Link\]](#)
- Data Analysis with Python by Coursera: [\[Link\]](#)

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## Reference

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