

Tazrian Zaman Tushti

Software Quality Assurance Engineer-Trainee

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Key skills

- Test Case Design.
- Manual Testing.
- Automation Testing
- Bug Tracking.
- Selenium
- Postman
- Performance Testing.
- Smoke Testing
- Python
- Java
- Testrigor
- Agile Methodologies.
- Communication Skills.
- Cross functional communication.
- Appium

Work History

Save The Children International.

1 September 2024 - Ongoing

Software Quality Assurance Trainee

*Selected as one of the fellows for the **Digital Equity Fellowship 2024** by **Save the Children in Bangladesh**, aimed at empowering female graduates in ICT.*

Responsibilities and work:

- Conducted manual and automation testing for web (Selenium) and mobile applications to ensure functionality, performance, and reliability.
- Preparing Test cases and Test scenarios based on the application requirements.
- Conducted UI, API (Postman), and basic performance testing to ensure application stability and efficiency.
- Design test plans, scripts, and procedures to validate software functionality and identify defects.
- Performed functional and user acceptance testing to verify application behavior.
- Participating in team meetings to review requirements, define test strategies, and improve processes.
- Collaborated closely Business Analysts and developers to ensure proper implementation of business logic.
- Utilized defect tracking tools like JIRA to log, track, and collaborate on issue resolution with developers.
- Conducted regression testing to ensure that new changes do not impact existing functionality.

Medina Tech Limited

1 April 2023 – 31 October 2023

Junior Software Engineer

Responsibilities and works:

- Prepared extensive image and datasets, including tasks like image resizing, data augmentation, data normalization and handling imbalanced datasets.
- Collected, cleaned, and prepared real field datasets for training and testing machine learning models.
- Fine-tuned pre-trained deep learning inception V3 models to improve accuracy and efficiency.
- Evaluated and validated model accuracy, performance and robustness.
- Prepared necessary project documents according client's expectations, agreements, and any changes in requirements.
- Established clear lines of communication among team members and stakeholders.

American International University-Bangladesh (AIUB)

15 September 2022-31 December 2022

Research Intern

- **Research Topic:** *Music and Academic performance of Bangladesh.*
- Conducted surveys on the academic results of Bangladeshi students who are involved with music.
- Performed literature review of related papers.
- Gathered data on undergraduate students involved in music.
- Prepared detailed reports summarizing research methodologies, findings, and conclusions for diverse audiences.

Education

Islamic University Technology (IUT) MSc. (Engg) in Computer Science and Engineering	2024 - Ongoing
American International University Bangladesh (AIUB) Bachelor of Science in Computer Science and Engineering.	Completed in 2023 <i>CGPA: 3.81 out of 4</i>
Milestone College Higher Secondary Certificate (HSC)	Completed in 2018 <i>GPA: 4.58 out of 5</i>
BARI High School Secondary School Certificate (SSC)	Completed in 2016 <i>GPA: 4.89 out of 5</i>

Thesis

Thesis Topic: Software Defect Prediction using Object Oriented Metrics.

- A model is developed to find defects in object oriented based software.
- Machine Learning approach is used to observe the model to predict defects in class level.
- Collected and analyzed a comprehensive dataset of object oriented metrics using Python for data preprocessing.
- Implemented machine learning algorithms like Linear Regression, Naive Bayes, SVM etc.
- Collaboration closely with team to validate results.

Language

- **English:** IELTS score 6.5

Projects

- **U Find** – Performed manual and automation testing for a Management Information System (MIS) developed in collaboration with Save the Children in Sri Lanka, designed to support disabled individuals. Focused on ensuring accessibility by testing diverse user interactions from the perspective of disabled users and validating system functionality across multiple languages and assistive technologies.
- **Myanmar OnDesk**- Conducted manual and automation testing using Selenium for the Myanmar OnDesk of Save the Children Myanmar. Ensured functionality, usability, and performance to optimize the booking experience.

Reference

Nazat Chowdhury Head of TechHub Bangladesh Save the Children International Email: nazat.chowdhury@savethechildren.org Phone: +88017140883889	Dr. Md. Manzurul Hasan Associate Professor Department of Computer Science American International University- Bangladesh (AIUB) E-mail: manzurul@aiub.edu Phone +880 1715-246399
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