GALIB SHAHRIAR

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EXPERIENCE

a1qa — *Dhaka*
QA Automation Engineer(Intern) — *Jun 2023 – Present*

- Write and maintain automated test scripts using Java and related frameworks.
- Set up and maintain the testing environment, including software and tools required for test automation
- Conduct code reviews to ensure adherence to coding standards and best practices.
- Collaborate with senior QA automation engineers to understand project requirements and test objectives
- Execute automated test scripts to validate website functionality, stability, and performance
- Identify and report deviations or defects found during test execution
- Maintain and update test cases and test suites based on changing requirements
- Use Git for version control and manage code repositories effectively
- Provide regular updates on test progress, issues, and risks to the mentor
- Seek guidance from senior QA automation engineers to improve technical skills and knowledge
- Troubleshoot and diagnose bugs, providing clear and actionable information to the mentor

AKH ECO Apparels LTD. — *Dhaka*
Jr. Officer, IT — *Sep 2022 – March 2023*

- Install and configure operating systems, applications, and system tools
- Monitor and test application performance, identifying and resolving potential bottlenecks
- Configure firewalls, routing, and switching for network efficiency and security
- Install, maintain, and replace security cameras and computer networks
- Provide technical troubleshooting support for hardware, software, and networks
- Maintain computer peripherals, printers, networking, IP phones, and backup systems
- Assist users with Outlook email management and Microsoft Exchange Server
- Document error reports and technical knowledge for reference
- Review vendor contracts and coordinate IT purchases for effective solutions

EDUCATION

Jahangirnagar University — *Dhaka*
M.Sc. in Computer Science — *Expected Graduation: December 2023*

Institute of Science and Technology — *Dhaka*
B.Sc. in Electronics and Communication Engineering — *2021*

TECHNICAL SKILLS

Languages: Java, Python, SQL, MATLAB

Automation Tools: Selenium, TestNG, Docker, Jenkins, JMeter, Git

Design Tools: Adobe Design Suite: Photoshop, Illustrator, After Effects, Premiere Pro

Miscellaneous: ML/Data Science Tools, Database Management, IT Support etc.

PROJECT HIGHLIGHTS

Development of an Object Detection System Using Deep Learning *2020*

- Developed an object detection system using the YOLOv3 deep learning algorithm
- Fine-tuned YOLO algorithm using Tensorflow v2.0
- Incorporated pre-trained weights from the COCO dataset to improve the model's accuracy.
- Performed hyperparameter tuning to optimize the model's performance.
- Implemented non-maximum suppression to improve the model's ability to detect multiple instances of an object.
- Evaluated the model using metrics such as mean average precision (MAP) and Intersection over Union (IoU)
- Focused on the cloud platform Google Colab for the implementation
- Finished in first place during the department-wide symposium

Digital Clock Using Arduino Uno *2017*

- Designed and built a digital clock using an Arduino Uno microcontroller
- Utilized a real-time clock module to accurately track time
- Implemented a user interface using an LCD display and push buttons for setting and adjusting the time
- Demonstrated the ability to work with microcontrollers, code in C++, and design user interfaces for embedded systems.
- Utilized the Arduino library to interface with the sensors and integrate the data into the clock's display
- Incorporated a humidity sensor and temperature sensor to display real-time humidity and temperature readings on the clock

IoT Home Automation System *2015*

- Used Raspberry Pi Model B to operate lights/any other appliances using smartphones, computers, tablets, etc phones from anywhere at anytime via WiFi

PUBLICATIONS

Journal Paper

- **G. Shahriar**, R. Khan, M. Shahiduzzaman and G. Hashmi, Technical Potential of Rooftop Solar Plant in Bangladesh, *IST Journal on Business and Technology*, 2017

Refereed Conference Paper

- G. Hashmi, **G. Shahriar**, R. Khan and S. Raque, Implementation, Performance and Cost-Benefit Analysis of a Batteryless 1360-W Grid-Tie Rooftop Solar Plant, i*n Institute of Energy, University of Dhaka*, 2017

CERTIFICATIONS

- Machine Learning & Statistical Analysis (with honors) issued by WorldQuant University
- Scientific Computing & Python (with honors) issued by WorldQuant University
- Deep Learning Specialization issued by Coursera
- Machine Learning Specialization issued by Coursera
- Machine Learning Fundamentals with Python Track issued by DataCamp
- Global Mapping issued by Save the Children International
- Research Methodology and Scientific Paper Writing issued by Dhaka University Science Society (DUSS)

VOLUNTEERISM

CommunityAction

- Helped arrange, package, seal and distribute thousands of food packages for orphans and under-privileged people in Bangladesh
- Lead in organizing and guiding an event to spread awareness about Hygiene
- Preached awareness in underprivileged schools on specific agendas such as their future career, self-awareness, physical and mental hygiene, social awareness, consciousness, environmental issues, etc

Save the Children Bangladesh

- Attended two days workshop to contribute on OpenStreetMap for gives slum dwellers easy access to information about the facilities/services
- Surveyed an area in Dhaka and successfully plotted the data on OpenStreetMap

ACTIVITY

Playing Video Games, Surfing Reddit, Listening to Music, Cooking, Street Photography & The Office