

Shaikh Nahian

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Summary

Motivated Software QA Engineer with hands-on experience in test automation, manual testing, API testing, defect tracking, and product management. Passionate about ensuring software quality through systematic testing methodologies, collaboration with cross-functional teams, and continuous learning. Strong problem-solving skills and adaptability in Agile environments.

Education

Chittagong University of Engineering and Technology

B.S.C IN COMPUTER SCIENCE AND ENGINEERING (CGPA: 3.15/4.00)

Chittagong, Bangladesh

Feb. 2018 - Sept. 2023

Notre Dame College

H.S.C (GPA: 5.00)

Dhaka, Bangladesh

Apr. 2015 - May 2017

Motijheel Ideal School and College

S.S.C (GPA: 5.00)

Dhaka, Bangladesh

Apr. 2010 - May 2015

Skills

Testing Expertise Web, Mobile (Android, iOS), API, Regression, Integration, End-to-End Testing

Protocols REST API, WebSocket

Programming & Scripting

Tools Playwright, Selenium, Postman, Newman, Jira

Frameworks & Libraries

Node.js, React, Bootstrap, TensorFlow, Pandas

Databases Oracle, MySQL, MongoDB

Version Control & CI/CD

Git, BitBucket, Jenkins

Log & Monitoring Splunk (Familiar)

Concepts Shift-Left Testing, SDLC, STLC, Defect Tracking, Agile, Risk-based Testing

Languages English (C2 level), Bengali (native)

Work Experience

Therap (BD) Ltd.

Dhaka, Bangladesh

Apr. 2025 - Present

SOFTWARE ENGINEER, QA

- Performing thorough manual testing of web applications to identify UI, functional, and edge-case defects.
- Developing and maintaining automated test scripts using Playwright.
- Conducting API testing and validation using Postman.
- Documenting and tracking defects through their complete lifecycle.
- Collaborating with developers to reproduce issues and verify fixes.
- Validating software features against healthcare compliance requirements, including HIPAA security and privacy rules.
- Participating in HIPAA training and applied data protection best practices to safeguard PHI.

ASSOCIATE SOFTWARE ENGINEER, QA

Feb. 2024 - Mar. 2025

Diligite

Chittagong, Bangladesh

INTERNSHIP (AS PART OF INDUSTRIAL ATTACHMENT)

Nov. 2022

Research

4th IEEE International Conference on Signal Processing, Information, Communication and Systems 2025 (4th IEEE SPICCON 2025)

AUTHORS: SHAIKH NAHIAN, AND MOHAMMED MOSHIUL HOQUE (moshiul_240@cuet.ac.bd)

University of Rajshahi

November 2025

- Paper Title: Deep Autoencoder Based Protection for Malware Detection Models from Adversarially Perturbed Data.
- Presented: November 2025. Proceedings accepted, pending publication in IEEE Xplore. Manuscript available upon request.

Projects

LogShark: An Intelligent Log Analysis and Monitoring Tool.

REST API, LangChain, WebSocket, Node JS

DEVELOPED A TOOL TO ANALYZE UPLOADED LOG FILES OR STREAM LIVE LOGS FROM REMOTE SERVERS OVER SSH, AND ALLOWING USERS TO ASK NATURAL LANGUAGE QUESTIONS AND RECEIVE INSTANT INSIGHTS POWERED BY LLMs. MADE TO ASSIST TESTERS IN LOG MONITORING.

Deep Autoencoder-Based Protection for Malware Detection Models from Adversarially Perturbed Data (Undergrad Thesis)

Python, TensorFlow, Keras, Pandas, Adversarial Robustness Toolbox (ART)

DEVELOPED AN AUTOENCODER-BASED PROTECTION SYSTEM FOR ML/DL-BASED MALWARE CLASSIFIERS FROM EVASION ATTACKS WITH ADVERSARIAL MALWARE SAMPLES.

Web application for Potato Disease Classification

React Js, FastAPI, TensorFlow, CNN

A CUSTOMIZED CNN WAS DESIGNED TO CLASSIFY POTATO DISEASE FROM CAPTURED IMAGES BASED ON A POTATO IMAGE DATASET. THE WEB APPLICATION TAKES POTATO LEAF IMAGES AND CLASSIFIES THE DISEASE, AND WAS IMPLEMENTED USING REACT JS AND FAST API.

ChatterBox- A Dynamic Instant Messaging App

Javascript, PHP, MySQL, AJAX, Bootstrap

DYNAMIC INSTANT MESSAGING APP WITH SECURE CREDENTIALS-BASED AUTHENTICATION. FEATURES: INSTANT MESSAGING, USER SEARCH, ACTIVE/INACTIVE STATUS DISPLAY, AND SHARING OF IMAGES AND PDF FILES, ALONG WITH NOTIFICATIONS

To learn more about the projects, Please visit my Github account

Extracurricular Activity

CUET NLP Lab

Chittagong, Bangladesh

MEMBER

Since Dec. 2022

CUET Debating Society

Chittagong, Bangladesh

VICE PRESIDENT (MICHIL)-PUBLICATION WING

June 2022 - June 2023

CUET Computer Club

Chittagong, Bangladesh

ASSISTANT GENERAL SECRETARY

Aug. 2022 - Aug. 2023