Maksuda Islam

in linkedin.com/in/maksuda-islam-lima

✉ maksudaislam@iut-dhaka.edu

📍 House: 08, Road: 09, Dhanmondi R/A, Dhaka-
1209, Bangladesh

⌨ https://github.com/maksuda-islam

📞 +8801856455469

Work Experience

2023/01 – present Dhaka, Bangladesh	**Junior Software Quality Assurance Engineer** *Nilavo Technologies* (*An off-shore house of Biscom*) 🔗 • Test Automation using Playwright & Cypress • Security testing using BurpSuite • Validating production changes and reporting bugs • Manual testing (Content Security Policy, Governance Settings, Multi-Factor Authentication, Outlook add-in, ADFS Server) and writing optimized test cases
2022/07 – 2022/11	**Machine Learning(NLP) Course Instructor(Part Time)** *Amar iSchool* 🔗 Course Title: Introduction to NLP: Case Study Approach • Content creation and Course conduction • Made video tutorials for the students following the created content. It is the role of the Course Instructor.
2021/02 – 2021/05	**Web Developer Intern** *Nascenia Ltd.* 🔗 • Implemented the frontend part according to the provided design of web pages ensuring the best possible user experience for users for a pilot project using Bootstrap 5 & integrated that with the backend.

Research Experience

2022/07 – 2023/11	**Research Assistant (Apprenticeship)** 🔗 *Pioneer Alpha* Brain Tumor Segmentation: I collaborated with a four-person team to develop a CNN model that utilized 2D UNET as a foundation to improve the Accuracy and Dice Co-efficient Score of Brain Tumor Segmentation. I focused mainly on the improving evaluation part by fine-tuning the model. Dental Condition Prediction: I supervised and directed the operation of the dataset annotation process of 1000 dental x-rays to further use those data for dental condition prediction.

Publications

The Integrity of Source Code Commenting: Benchmark Dataset and Empirical Analysis 🔗
11th ICIEV & 6th IVPR, 2023
Status: Accepted, Not Published Yet

Brain Tumor Segmentation using Enhanced U-Net Model with Empirical Analysis 🔗
2022 25th International Conference on Computer and Information Technology (*ICCIT*)
Status: Published

Accelerometer based Complex Nurse Care Activity Recognition using Machine Learning Approach ✑

UbiComp '21: Adjunct Proceedings of the 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2021 ACM International Symposium on Wearable Computers
Status: Published

Education

2018/01 – 2022/05 Bangladesh	**B.Sc. In Software Engineering** *Islamic University of Technology* CGPA: 3.35/4.00	
2015 – 2017 Bangladesh	**Higher Secondary Certificate(HSC)** *Viqarun nisa noon School & College* GPA: 5.00/5.00 (Awarded Government Scholarship)	
2005 – 2015 Bangladesh	**Secondary School Certificate (SSC)** *Viqarunnisa noon School & College* GPA: 5.00/5.00 (Awarded Government Scholarship)	

Standardized Test Scores

International English Language Testing System (IELTS)
Overall: 7.5 out of 9.0 (L: 7.5, R: 8, W: 6.5, S: 7.0)
TRF No. 23BD009458ISLM050A

Skills

Programming Languages
Python, JavaScript, C

Framework & Libraries
Cypress, Playwright, ReactJS, Pandas, Sklearn

Database Management
MySQL, PostgreSQL

Security Testing
Burp Suite

Collaboration and Management
Trello, Version Control System(GitHub)

Professional Projects

Biscom SFT : Secure File Transfer ✑
- Automate product functionalities using Playwright
- Run automation scripts
- Deploy released versions
- Manual Testing on : SFT Upgrader, SFT Outlook Add-in
- Manual Testing on : Multi-Factor Authentication

Biscom Transit : Cloud SFT ✑
- Automate product functionalities using Cypress
- Run automation scripts
- Deploy released versions
- Manual Testing on Transit Outlook Add-in, Encryption Tool

Faxcom Anywhere ✐
- Run automation scripts
- Deploy released versions
- Regression Testing for new product-versions
- Testing the On-Premise Product for Office Account & Agent

Achievements

2022/06	**Robi Datathon 2.0	A national level Hackathon by Robi Axiata** *Achieving a commendable placement within the top ~2%* I played the role of data analyst to answer the questions from the business prespective.
2021	**Third Nurse Care Activity Challenge	HASCA** ✐ *Our team became fourth and got a chance to present & publish a conference paper as a book chapter*
2020	**PROJECT DEBI** *Digital art got featured in the exhibition*
2019	**BRACathon 3.0	A national level Hackathon by BRAC** *Finalist (Top 10 among 300+ participated teams in the first round)*

Extracurricular Engagements

2021/10 – 2022/09	**Operations Executive (Sponsorship & Liaison)** *IUT Computer Society* From the preparation of the proposal letters for our prospective sponsors to making sure the communication is done swiftly was my job.
2019 – 2020	**Exchange Participant Manager** ✐ *AIESEC Bangladesh*
2019	**Organizer - Logistics and Reception, IUT 10th ICT Fest** *IUT Computer Society, Islamic University of Technology, Bangladesh*

References

Lutfun Nahar Lota, *Assistant Professor, CSE Department*, Islamic University of Technology
lota@iut-dhaka.edu, +880 171 728 8159

Md. Nazmul Haque, *Assistant Professor*, Islamic University of Technology
nazmul.haque@iut-dhaka.edu

Md. Al Arman, *Software Quality Assurance Lead*, Nilavo Technologies Ltd.
arman@nilavo.com, +8801730088195

MD Abdullah Al Nasim, *Founder and CTO*, Pioneer Alpha & Amar iSchool
nasim@pioneeralpha.com