

S.M. Ashraful Hasan

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Experiences

SQA Engineer

Rebing Tech (<https://rebingtech.com>)
(February 2024 – Present)

Technologies: Python, Flask, Selenium Webdriver, HTML, CSS

I ensure smooth project management by tracking daily progress using Eazyplan and the Jira board and delivering detailed monthly performance reports, ensuring timely and efficient project execution.

- Various Modules testing manually according to the need.
- Automated UI features like login, form validation, password management, language inputs etc using selenium webdriver.
- Built an interface to execute automated python scripts, log results and capture output/errors in real-time.
- Gaining familiarity with software development lifecycle (SDLC) methodologies like Agile or Waterfall.
- Attending training sessions on software testing principles, methodologies and tools.

Education

B.Sc. (Eng.) in Computer Science and Engineering (Passing Year: 2023)

Department of Electrical and Computer Engineering (ECE), North South University

Higher Secondary Certificate (Passing Year: 2018)

Science, Dhaka City College, Dhaka

Secondary School Certificate (Passing Year: 2016)

Science, Dhanmondi Govt. Boys' High School, Dhaka

Professional Skills

Programming Languages:	C, C++, Java, Python
Data Analysis and Visualization:	Scikit-Learn, Numpy, Pandas
Database Management System:	MySQL Server, Firebase
Web Development:	HTML, CSS, JavaScript, jQuery
Project Management Tool:	Jira, Trello, Asana
Documentation Tool:	Mkdocs Documentation Tool
Others:	Git, LaTeX, Microsoft Office (MS Word, Excel, PowerPoint, etc.), Api

Major Projects

• Comprehensive Web Automation Script Execution Using Selenium and Flask

Technologies: Python, Flask, Selenium WebDriver, HTML, CSS

I developed a robust web-based automation platform that integrates Selenium WebDriver for automating profile updates, brand settings, system configurations and bank/invoice settings on the test-reidun.rebingtest.com website. The project included dynamic form validation, password management, UI theme testing, and spell-checking for Norwegian language inputs. Using Flask, I built an interface to execute Python scripts, log results, and capture output/errors in real-time. The application enhances efficiency by automating login/logout processes, form handling, and validation tasks, while providing error handling and detailed result reporting.

Available in Github Watch Demo Video

- **Reidun Documentation for Users**

Technology: Mkdocs Documentation Tool

This documentation provides comprehensive user manuals for Reidun Website. It includes guides for using the login page, navigating the dashboard, managing users, and adding new users. Each manual offers clear, step-by-step instructions to help users efficiently operate and manage the system's features. **Live Demo**

- **Transformer Model Optimization Bert**

Technologies: Pytorch, Keras, Tensorflow, Ktrain, Pandas

In this project, I harnessed the power of a pre-trained BERT (Bidirectional Encoder Representations from Transformers) model to enhance the performance of several natural language understanding tasks. BERT, being a state-of-the-art transformer-based model, has proven to be highly effective in various NLP tasks, and our project aimed to fine-tune it for specific datasets, including SST-2, Amazon product reviews, and COLA (Corpus of Linguistic Acceptability). **Available in Github**

Professional Profiles

- **GitHub:** [@Ashraful321870](#)
- **LinkedIn:** [@Ashraful](#)
- **Twitter:** [@SMAshrafulHASA11](#)
- **Facebook:** [@S M Ashraful Hasan](#)
- **Portfolio:** [@Ashraful Hasan](#)

Certifications

- **Introduction to Manual Testing:** <https://www.mygreatlearning.com/certificate/PLJJKBSG>
- **Software Development Life Cycle Fundamentals - SDLC:** <https://www.mygreatlearning.com/certificate/XIUHGCFH>
- **Selenium with Python:** <https://www.mygreatlearning.com/certificate/FNXHOBNI>

References

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North South University

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