

Abdul Muhaimin Adeeb

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Experience

SQA Automation Engineer

ReliSource Technologies Ltd, Dhaka, Bangladesh (13th November, 2024 – 16th June, 2025)

- Automated manual tasks by writing scripts using various automation tools
- Designed and maintained CI/CD pipelines in Azure DevOps (specifically for automation tasks)
- Worked with Azure Repos and Artifacts for version control and build management
- Performed database, API, and web testing using Java, Selenium, and TestNG
- Wrote and executed SQL queries to identify and fix backend data issues
- Detected frontend bug missed by manual QA by debugging a faulty SQL query
- Explored cloud automation and successfully wrote the first automation script with guidance
- Collaborated with QA and Developer teams to improve testing and release efficiency

Education

- B.Sc Engineering in Computer Science And Engineering,** CGPA: 3.03 out 4.00
Bangabandhu Sheikh Mujibur Rahman Science And Technology University, Gopalganj, Bangladesh
(now, Gopalganj Science And Technology University)
Note: University name changed as per Government Gazette([link](#)) Notification (Memo No. GSTU/R/PA/2025/59(1)/242 [link](#))
- Bangladesh Noubahini School & College** Khulna, Bangladesh
Higher Secondary School Certificate Exam (4.67 out of 5.00) HSC Batch 2018
- Lakers' Public School & College** Rangamati, Bangladesh
Secondary School Certificate Exam (5.00 out of 5.00) SSC Batch 2016

Academic Research

Developed a system for **identifying popular Bangla news and explaining their popularity** using a **Naive Bayes bidirectional model**, achieved 82.05% accuracy and an F1 score of 0.773.

Skills and Certification

Programming	PHP, C/C++, C# (including LINQ), Selenium (Java, Python), Java (Servlet, JSP, JDBC, TestNG), Javascript, Cypress, SQL (MS SQL Server, MySQL, PostgreSQL, Sqlite) Python (Pandas, NumPy, Scikit-Learn, BeautifulSoup, Sympy, pytesseract(for bangla nlp)), HTML/CSS, NoSQL (MongoDB), WebAPI(REST).
Miscellaneous & Soft Skills	Azure (DevOps, AVD), Jmeter, Postman, Jenkins, Docker, Git, AWS(EC2), Linux, Tableau, Microsoft Office Suite, Google Colab, Jupyter Notebook, Google Sheets, Excel, Snowflake, Time Management, Teamwork, Problem-solving, Calm Headed, Great Smile 😊. Codeforces : Adeeb005 (Pupil, C++ Based Solution, Max. Rating : 1337, Solved 362 Problems) CodeChef : adeeb005 (3 Star, C++ Based Solution, Max. Rating : 1648, Solved 147 Problems) Toph.co : Adeeb005 (Max. Rating : 1599, C++ Based Solution, Solved 47 problems) LightOJ : uturn005 (C++ Based Solution, Solved 55 Problems) Leetcode : Adeeb005 (C++ Based Solution, solved 259 Problems; SQL Based Solution, Solved 75 Problems; total solved 334 Problems) Hackerrank: adeebmuhaimin (SQL Based Solution, Solved 55 Problems) Topscic-contest (SQL Based): Solved 10 problems, user code: adeeb005 Total: solved 1010 problems
Problem Solving	

Certifications

- SQL (Advanced) Certificate from HackerRank
- Software Engineer Certificate from HackerRank (based on problem solving, database query and basic REST API).
- C# (Basic) Certificate from HackerRank

Current Working Project

Building a cross-platform .NET Blazor MAUI app to streamline CI/CD workflows. It integrates with ASP.NET Core REST APIs (hosted on Render.com) for secure login and automates post-commit tasks like testing, deployment, and release tracking. Includes a powerful reporting module with run-wise and test-wise analytics, PDF export, and real-time updates to Microsoft Teams for better visibility and team coordination.

Last Worked Project

A comprehensive web application has been tested to ensure robustness across all layers of the stack. The testing process includes frontend validation, backend API testing, and database verification — all executed using Java, Selenium, and TestNG. Additionally, JMeter was utilized to perform API load testing, enabling the evaluation of performance under stress and ensuring the application can handle high traffic scenarios efficiently.

Team Projects

- Developed "Celestial Explorer", an interactive orrery web app using real-time NASA data to visualize the solar system, including planets, Near-Earth Objects (NEOs), and Potentially Hazardous Asteroids (PHAs). The app features educational games like *Asteroid Destroyer* to make space science engaging for all ages, especially kids. Built with Three.js, HTML, CSS, and JavaScript, and supported by Firebase for game state management. Contributed as a **Researcher and Game Developer**, focusing on data collection, game logic design, interactive feature development, and educational content integration.
- Contributed to "AirO2", an IoT- and AI-powered air quality monitoring system that provides real-time data on pollutants such as PM, O₃, NO₂, and SO₂. The system delivers alerts, identifies pollution sources, predicts air quality trends, and offers safety recommendations to users. As the **AI Model Developer**, I was responsible for data preparation, model training, hyperparameter tuning, and evaluation using Python, Pandas, Scikit-learn, and Matplotlib.
- Worked as a **Data Analyst** on "Moonquake Map 2.0 – for the Mass", a user-friendly web app that visualizes moonquake data on an interactive 3D globe using real-time NASA seismic data. Contributed by cleaning seismic datasets, identifying moonquake frequency by location, and creating visualizations integrated into the globe. The project includes an educational "Learn" section to promote lunar science awareness, with future expansion plans for immersive VR experiences. Built using Three.js, Globe.gl, WebXR, and Python-based data tools.

Academic Projects

- Using **JSP, JDBC, HTML, and CSS**, created a **Java web project** called **Alumni Database Management System**. This platform allows alumni to **reunite, post, and share their projects**. User **sessions** are managed with **sessions** instead of cookies.
- Have developed an offline **Library Management System** with various functionalities. Students can send messages, and the admin can write notices. Students can request books, and the admin can approve and assign them. All data is managed using a **C++ file system**, with options to **write, edit, and remove records**. The system is designed to handle invalid inputs gracefully, ensuring that users cannot select ambiguous options, thereby **preventing software crashes**.

Achievements

2024	1 st Runner Up, Nasa Space Apps Challenge 2024	Rangpur Zone, Bangladesh
2022	Finalist, Code Samurai 2022 Hackathon	Dhaka
2022	4 th , 1st UGV South Zone Programming Contest 2022	Barishal
2019	5 th , UGV 1st ICT Carnival 2019 Inter-University Programming Contest	Barishal
2013-16, 2018	5 times Winner (Junior, Secondary and Higher Secondary Categories), Regional MathOlympiad	Rangamati & Khulna Zone

Participation

2024	National STEAM Olympiad Finale for Project Showcasing Category
2023	Nasa Space App Challenge 2023 from Dhaka Region
2019	BIT Fest, KUET IUPC
2017	Bangladesh Sudoku Championship Finale, Dhaka

Voluntary Activities

- Ex Convener of **BASIS Students' Forum [BSMRSTU] Chapter 2023**.
- Ex **General Secretary and Joint Secretary of BSMRSTU CSE Association** from 2022 to May, 2023
- Ex **Instructor and Member of BSMRSTU CSE Programming Club**
- Ex **Instructor and Member of BSMRSTU CSE Math Club**