

Oishi Mahmud

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Actively seeking full-time RA opportunities in AI, NLP, Software Engineering & HCI for Fall 2024

Education

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|---------|---|---------|
| 3.7/4.0 | MS in Information Technology , University of Dhaka Dhaka, Bangladesh | 2017-18 |
| 3.6/4.0 | B.Sc in Computer Science and Engineering , Ahsanullah University of Science and Technology Dhaka, Bangladesh | 2012-16 |

Achievements: Online Restaurant and Food inquiry system | Bachelor's Capstone Proj.

1 Journal and 1 Conference paper: Analyzing Android App Reviews for Effective Version Release

Courses: Data Structures | Algorithms | Computer Graphics | AI | Advanced OOP | Software Testing | Database

Experience

Infolytx Bangladesh Ltd, Software Engineer II in Test | Dhaka, Bangladesh Aug 2021 - Present

- Created 100+ well-structured **test cases** by meticulously analyzing requirements and automating them, resulting in a **30% reduction** in testing time.
- Utilized automation tools to **scrape data** from 20+ websites and organized the data into differently formatted files, improving data accessibility and **saving 15 hours per week**.
- Conducted over 50 non-functional tests, including **security, load, and performance tests**, identifying and mitigating critical system vulnerabilities and bottlenecks.

Bitmascot, SQA Engineer | Dhaka, Bangladesh

Dec 2020 - Aug 2021

- Analyzed complex software requirements, resulting in the creation of **50+ systematic test cases**, improving **test coverage by 27%** and identifying critical issues early in the development process.
- Conducted over 300 **functional and regression tests** on mission-critical features, including **concurrency and the automatic billing system**, ensuring product stability and reliability.
- Documented system features in **Confluence**, with 25+ comprehensive articles, enhancing team collaboration and knowledge sharing.

Technology and Business Solution Ltd, SQA Engineer | Dhaka, Bangladesh

Sep 2019 - Sep 2020

- Performed over 200 tests in software systems, effectively reporting and tracking 50+ issues in bug tracking systems like **JIRA**.
- Created **automation scripts** to handle large data inputs, saving 20 hours of manual work per week.

Publications

Journal

- 1. Md. Abdur Rahman, **Oishi Mahmud**, Nishat Tasnim Niloy, Md. Saeed Siddik, " **Prioritize Android App Reviews for Effective Version Release**," *ASM Sc. J.*, Vol. 13, Special Issue 2, 2020 for ICSCC2019.

Conference

- 1. **Oishi Mahmud**, Nishat Tasnim Niloy, Md. Abdur Rahman, Md. Saeed Siddik, "**Predicting an Effective Android Application Release Based on User Reviews and Ratings**," 2019 7th International Conference on Smart Computing & Communications (ICSCC), Curtin University, Miri, Sarawak, Malaysia, June 28-30, 2019.

Projects

MS Proj.

Dec 2017 - Dec 2018

Analyzing Android App Reviews for Effective Version Release

- Developed an automated framework that **categorized and prioritized user reviews**, achieving an F-1 measure score of 0.82 for low-level categories and 0.72 for high-level categories using classification algorithms (J48 outperformed Naive Bayes).
- Prioritized user reviews** to guide more effective Android app releases, with prioritized categories in the next app version's development.

BS Proj.

Apr 2015 - Apr 2016

Online Restaurant and Food Enquiry System

- Implemented a platform** for restaurant and food-related inquiries to enhance user experience and streamline restaurant information access.
- Designed features** that allows users to **find restaurants** based on various criteria and **provide reviews and ratings** for restaurants and dishes.
- Built a **user-friendly interface** for **restaurant search, menu display, and user interactions**, emphasizing enhanced user experience and accessibility.

Skills

Programming	C, C++, C#, Java, .NET, .NET MVC, Python
Web	HTML, CSS, JS, JQuery, Bootstrap, ASP Ajax
Database	SQL, MS SQL Sever, LINQ
Data mining and scraping	Weka, Jsoup Parser, Scrapy
Automation	Selenium WebDriver, Cypress, Playwright, Postman
Graphics	Adobe Photoshop , Adobe Illustrator, OpenGL