Md. Amir Ul Islam

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PROFILE STATEMENT

Detail-oriented individual aspiring to build a career in Software Quality Assurance (SQA). Skilled in manual testing, UI/UX validation, REST API debugging, and cross-platform compatibility. Familiar with modern development tools and agile methodologies. Eager to contribute to delivering reliable, high-quality, and stable software.

TECHNICAL SKILLS

- **Testing & QA Tools:** Manual Testing, Selenium, JMeter, Postman,
- **Programming Languages:** Kotlin, Java, Python, C
- **Mobile Development:** Jetpack Compose, Flutter, Firebase, Retrofit, Room, RealmDB
- **AI & ML Tools:** Ultralytics, YOLO, LiteRT
- **Databases:** MongoDB, MySQL
- **Web Frameworks & Technologies:** MERN Stack, Django, Spring Boot
- **Operating Systems & Development Environments:** Arch Linux, CLI
- **Version Control & Collaboration:** Git, GitHub
- **IDEs & Tools:** Android Studio, VS Code, IntelliJ IDEA

EDUCATION

BRAC University   Oct '21 – Jun '25
Bachelor of Science in Computer Science, CGPA: 3.52   *Dhaka, Bangladesh*

- Studied Agile and Scrum methodologies to improve team collaboration and iterative development.
- Learned software architectures and design patterns for scalable and maintainable code.
- Covered Software Quality Assurance topics including code smells, refactoring, unit testing, and integration testing.

PROJECTS

SauceDemo Automation Suite | *Java, Selenium, POM, Maven*

- Automated login, cart, and checkout flows using Selenium WebDriver.
- Implemented Page Object Model for clean and reusable test structure.

Ditributed Testing | *Java Spring Boot, JMeter, Distributed Testing*

- Simulated distributed load testing from multiple virtual machines using JMeter to analyze system performance under concurrent stress.
- Monitored and evaluated the impact of distributed testing on backend stability and response times.

BUCC Official Mobile App | *Kotlin, Jetpack Compose, Retrofit, Realm, FCM, Dagger-Hilt*

- Tested authentication flows and API integrations to ensure reliable user access and data accuracy.
- Validated UI elements and user interactions to maintain smooth and intuitive user experience.

BracuSocial | *Kotlin, Jetpack Compose, Realm, Firebase, Dagger-Hilt*

- Handled backend integration by scraping data and connecting with the university portal API, while monitoring API response correctness and app stability during data fetch and display.
- Performed backend data validation and error handling tests to ensure accurate and consistent information delivery.

EXTRACURRICULAR

BRAC University Computer Club (BUCC)   Mar '24 – Dec '24
Assistant Director of Research & Development   *Dhaka, Bangladesh*

- Led a team to overhaul the club's recruitment system, transitioning it to a fully digital platform.
- Collaborated with faculty and technical teams to integrate advanced technology into club operations.