MD HASANUL KABIR
Test Software Engineer
Nanjing, China

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Personal Summary

Final-year Master's student in Computer Science at Nanjing Normal University with strong expertise in software testing, automation, and quality assurance. Skilled in server-level API testing and client-side automation, performance/load validation, QA documentation, and system troubleshooting. Proficient in Python (primary), MATLAB, and modern testing frameworks, with proven focus on reliability and problem solving.

Education

Master's in Computer Science and Technology - Nanjing Normal University (2023–2026, Final Year)
Bachelor's in Computer Science and Technology - Henan Polytechnic University (2017–2021), Top 5%, GPA: 3.4

Honors and Awards

3× Provincial Scholarship Winner; Academic Excellence Award

Experience

Research Assistant - Consortium Research Center — 2021–Present
Performed system validation, regression, and simulation testing for robotics platforms. Designed and executed test cases, troubleshot issues, and applied root cause analysis. Tracked and managed defects with JIRA, while applying AI-based automation and fault detection to improve QA workflows and reliability.

Cyber Security Intern - Arena Web Security — 2021
Conducted penetration testing, SSL validation, and SQL injection prevention; prepared bug reports and compliance assessments supporting secure releases.

Project Experience

Client Testing Automation (2023) - Automated UI testing with reusable modules and structured reporting. GitHub: https://github.com/hasanulkabir-md/Client-Testing-Automation

API Testing Framework (2023) - Python-based REST API testing with automated case generation and validation. GitHub: https://github.com/hasanulkabir-md/api-testing-framework

E-commerce Performance Testing (2023) - Load/performance testing for checkout flows and APIs; latency/throughput analysis. GitHub: https://github.com/hasanulkabir-md/ecommerce-perf-test

QA Process Docs - Authored test plans, bug reports, compliance checklists. Docs: https://github.com/hasanulkabir-md/ecommerce-perf-test/tree/main/practice-docs

Publications

Multi-point Navigation Method for Intelligent Robots - Journal of Computing, 2024
Credit Approval Decision using ML Algorithms - IEEE, 2022

Technical Skills

Server-level API testing and client application automation (Python, Selenium, Playwright); performance/load testing (Locust, JMeter); test planning, QA documentation, bug reporting, and compliance tracking. Skilled in troubleshooting, root cause analysis, and QA process improvement. Experienced with JIRA, SDLC workflows, metrics analysis. Proficient in Python (primary), with additional experience in MATLAB and Java.

Certifications

Python Programming (Univ. of Michigan); Cyber Security Testing; Java Development and Testing; MATLAB System Programming; Data Science Math; Computer Vision

Languages

English (Professional); Chinese (Elementary)

Portfolio

Portfolio Website: https://hasanulkabir-md.netlify.app