YUGAN KAVINDA

Quality Assurance Engineer Intern

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📍 Embilipitiya, Rathnapura District, Sri Lanka

 BlockAce01 ❝ MyBlog 🌐 Portfolio

ABOUT ME

Undergraduate QA enthusiast with hands-on experience in test automation, CI/CD integration, and API testing. I've built end-to-end testing frameworks using Selenium and Playwright, and led AI-driven testing experiments on real-world applications. Passionate about software quality and eager to contribute analytical thinking and problem-solving skills in a professional QA environment.

EDUCATION

BSc. (Hons) in Computing and Information Systems | GPA: 3.34
Sabaragamuwa University of Sri Lanka | 2023-2027

G.C.E. Advanced Level | Physics, Combined Mathematics, ICT
President College Embilipitiya | 2019-2021

WORK EXPERIENCE

Web Developer | Ceylon Effects | Remote-Contract
Aug 2025 - Present

Internship Trainee | Regional Development Bank | Onsite-Full time
Dec 2022 - May 2023

PROJECTS

E2E E-commerce Test Automation (Personal) ⎘ 〇   Oct 2025

- Built E2E test framework with Python, Selenium & Pytest.
- Designed POM for scalable test cases.
- Added data-driven & cross-browser testing.
- Integrated HTML reports with CI/CD (GitHub Actions).
- Captured screenshots/logs on failures.
- Boosted speed using parallel tests (Pytest-xdist).

Tech Stack: Python, Selenium, Pytest, GitHub Actions.

AI-Driven Test Suite for Examind (Group) 〇   Oct 2025

- Led a proof-of-concept evaluating AI-driven testing on a complex real-world app.
- Designed a human-in-the-loop workflow to guide Playwright AI agents in building a test suite.
- Reviewed and enhanced AI-generated test plans with creative, out-of-bound scenarios.
- Directed AI to generate 93 Playwright test scripts from validated plans.
- Debugged and stabilized the suite using AI's "Healer" for diagnostics.
- Integrated the robust test suite into a GitHub Actions CI/CD pipeline.

Tech Stack: Playwright AI Agents (MCP), GitHub Actions, Next.js, Express.js, PostgreSQL, Docker

AI Model Evaluation Suite (Personal) ⭗

Nov 2025

- Built a PromptFoo test suite to evaluate leading LLMs (e.g., Gemini 2.5, GPT-4.1) on JSON generation and hallucination.
- Automated output validation using custom JavaScript assertions for complex edge cases.
- Analyzed performance metrics, failure patterns across models using comparative reports.

Tech Stack: PromptFoo

OPEN SOURCE CONTRIBUTIONS

maurodesouza/profile-readme-generator ⬡

- Engineered a live-editing feature in TypeScript that eliminated inefficient tab-switching in the icon management workflow, streamlining the configuration process and improving user experience.

TECHNICAL SKILLS

QA & Testing

Selenium | Playwright | Pytest | Manual Testing | Automation Testing | API Testing

Development & Tools

Python | JavaScript/TypeScript | SQL | Git & GitHub Actions | Docker | Linux

CI/CD & Cloud

GitHub Actions | AWS | Terraform | Nginx | CI/CD Concepts

Web Technologies

HTML/CSS | Next.js | Express.js | React | Node.js | MongoDB | PostgreSQL

SOFT SKILLS

Communication | Problem-Solving | Attention to Detail | Analytical Thinking
Teamwork | Adaptability | Professional Working Proficiency in English

VOLUNTEERING EXPERIENCE

- Volunteered as an organizing committee member at IEEE Day 2024 SUSL
- Volunteered in the ITECH 2.0 Innovation Exhibition organized by Karagasthalawa M.V.

CERTIFICATES

- Introduction to Software Quality Assurance (University of Moratuwa) ⬀
- Software Testing - Skill Up (GeeksforGeeks) ⬀
- Python Programming (University of Moratuwa) ⬀
- Finetuning Large Language Models (DeepLearning.AI) ⬀
- Docker Engineer (KodeKloud) ⬀
- Linux For Absolute Beginners (KodeKloud) ⬀

REFERENCES

Mr. I.S.K.Senarath | Bank Officer, Regional Development Bank
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Mrs. S.Adeeba | Lecturer (Probationary), Department of Computing & Information Systems, Faculty of Computing, Sabaragamuwa University of Sri Lanka
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