YUGAN KAVINDA

Quality Assurance Engineer Intern

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📍 Embilipitiya, Rathnapura District, Sri Lanka

○ BlockAce01   ❝ MyBlog

ABOUT ME

I am an undergraduate student pursuing a BSc. (Hons) in Computing and Information Systems, with a strong enthusiasm for software quality and reliability. I have gained practical experience in both manual and automated testing through academic projects and self-driven learning. My focus has been on applying QA practices within software development workflows, including areas such as CI/CD pipelines, test automation frameworks, and API testing. I am passionate about ensuring software excellence and leveraging analytical thinking, problem solving skills and teamwork to contribute effectively in a professional environment.

EDUCATION

Sabaragamuwa University of Sri Lanka | 2023-2027
Bsc Honors in Computing and Information Systems
Current GPA : 3.34

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

WORK EXPERIENCE

Ceylon Effects	Regional Development Bank
2025/08 - Present	2022/12 - 2023/05
Web Developer	**Internship Trainee**
Contract, Remote	Full time, On-site

PROJECTS

E2E E-commerce Test Automation (Personal) 🔗 ○   10/2025

- Built an automated end-to-end testing framework using Python, Selenium WebDriver, and Pytest.
- Designed Page Object Model (POM) structure for scalable and maintainable test cases.
- Integrated data-driven testing via CSV and Pytest parameterization.
- Enabled cross-browser support with WebDriver Manager for Chrome & Firefox.
- Configured HTML test reports for CI/CD pipeline integration with GitHub Actions.
- Added custom test hooks to capture screenshots and logs for failed test cases.
- Improved testing speed by implementing parallel test execution using Pytest-xdist.

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

MyBlog - Full stack Deployment (Personal) 🔗 ○   08/2025 – 09/2025

- Built and deployed a MERN-based blog application on AWS Cloud.
- Containerized the app with Docker and configured Nginx as a reverse proxy.
- Created CI/CD pipeline using GitHub Actions for automated build, test, and deployment.
- Configured AWS CloudFront CDN and integrated SSL certificates for secure global access.
- Managed AWS resources using Terraform following Infrastructure as Code principles.
- Implemented IAM Role-Based Access Control (RBAC) for secure team-based resource access.
- Set up monitoring and logging using AWS CloudWatch for performance tracking.

Tech Stack: MongoDB, Express.js, React, Node.js, Docker, Terraform, AWS, Nginx.

Daily Lecture scheduler for G-calendar (Personal) [↗] — 08/2025

- Parsed PDF timetables and synced them with Google Calendar API.
- Deployed workflow using n8n on AWS EC2 with ngrok-secured webhook.
- Configured budget monitoring tools to uptime monitoring with alerts.

Tech Stack: n8n, AWS EC2, Google Calendar API, ngrok, Gmail API, Telegram API

Examind for Sri Lankan A/L Students (Group) [⊙] — 01/2025 – 07/2025

- Collaborated to develop an interactive learning and discussion platform.
- Implemented quiz engine, gamification, and JWT-secured authentication.
- Integrated n8n RAG AI assistant for personalized student support.
- Performed E2E API validation and testing using Postman.

Tech Stack: Next.js, Express.js, PostgreSQL, JWT, n8n, Postman.

Reporting & Maintenance Management System (Group) [⊙] — 03/2025 – 09/2025

- Developed a university maintenance reporting system with Laravel, MySQL, and HTML/CSS.
- Built role-based access control for students, faculty, and staff.
- Created database structure and designed a practical solution for overlapping in issue reporting

Tech Stack: Laravel, MySQL, PHP, Blade

TECHNICAL SKILLS

- Manual Testing
- Microsoft Excel
- Automation Testing
- Test Documentation
- API Testing (Postman)
- Selenium
- Playwright
- Pytest

- Git & GitHub Actions
- Docker
- Linux
- Terraform
- AWS
- CI/CD Concepts
- Web Development
- Slack

- Python
- SQL
- HTML/CSS
- Next.js
- Express.js
- MongoDB
- PostgreSQL
- n8n

SOFT SKILLS

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

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

- Python for Beginners (University of Moratuwa) ⊘
- Finetuning Large Language Models (DeepLearning.AI) ⊘
- Introduction to Software Quality ⊘ Assurance(University of Moratuwa)
- Crash Course: Linux For Absolute Beginners (KodeKloud) ⊘

REFERENCES

Miss. S.Adeeba, Lecturer (Probationary),
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