YUGAN KAVINDA
Software Engineering Intern

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📍 Embilipitiya, Rathnapura District, Sri Lanka

○ BlockAce01   " MyBlog   🌐 Portfolio

ABOUT ME

I am an undergraduate pursuing a BSc. (Hons) in Computing and Information Systems with a strong enthusiasm for building robust and scalable software solutions. I have gained practical experience in full-stack development through personal and academic projects, focusing on the MERN stack, cloud deployment on AWS, and implementing CI/CD pipelines. I am passionate about leveraging analytical thinking, problem-solving skills, and teamwork to contribute effectively in a professional environment.

EDUCATION

Sabaragamuwa University of Sri Lanka | 2023-2027
BSc. (Hons) 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

OPEN SOURCE CONTRIBUTIONS

maurodesouza/profile-readme-generator ⑃

- Identified a user experience bottleneck within the icon management workflow and engineered a live-editing feature in TypeScript to resolve it, directly addressing a user pain point.
- The solution eliminated inefficient tab-switching by enabling direct preview edits, significantly streamlining the configuration process and demonstrating a practical blend of QA analysis and Front-End Engineering.

PROJECTS

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.

Asaply - Ease apply for Jobs (Personal) ○   *11/2025 – Ongoing*

- Engineering a privacy-centric, local-first Chrome Extension using the Plasmo Framework, ensuring 100% data sovereignty by processing sensitive user data entirely client-side without a backend.
- Integrated Google Gemini 2.5 Flash to architect an intelligent "Multi-Persona" system that automates client-side PDF parsing and generates context-aware cover letters in real-time.
- Developed a seamless Side Panel UI with custom DOM interactions, reducing job application friction by bridging the gap between static resumes and dynamic web forms.

Tech Stack: Plasmo Framework, Google Gemini API, Chrome Extension API (Manifest V3), pdf.js, React 18

### 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.

### Augmented Reality Poson Division (Group) 	06/2025

- Contributed to an Augmented Reality project by creating and optimizing 3D models and animations for AR deployment using Blender.
- Researched geospatial technologies (ARCore, ARKit) and integrated Immersal's Visual Positioning System (VPS) to anchor AR models in a real-world environment.
- Collaborated on designing and deploying an immersive digital experience using Zappar's Mattercraft platform.

Tech Stack: Blender, Zappar Mattercraft, Immersal VPS, ARCore, ARKit.

### 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.
- 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.

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

TECHNICAL SKILLS

- Python
- TypeScript
- PHP
- SQL
- HTML/CSS
- Node.js
- Express.js
- React
- Next.js
- MySQL
- PostgreSQL
- MongoDB
- AWS
- Docker
- Terraform
- Nginx
- Git
- Selenium
- Playwright
- Pytest
- Postman
- n8n
- Laravel
- CI/CD Concepts
- GitHub Actions

SOFT SKILLS

- Communication
- Creativity
- Problem-Solving
- Time-Managment
- 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

- Official ISC2 Certified in Cybersecurity Online Self-Paced Training - 1M
- Python Programming (University of Moratuwa)
- Finetuning Large Language Models (DeepLearning.AI)
- Oracle Cloud Infrastructure 2025 Foundations Associate (1Z0-1085-25)
- Introduction to Software Quality Assurance(University of Moratuwa)
- Crash Course: Linux For Absolute Beginners (KodeKloud)

REFERENCES

Mrs. S.Adeeba, Lecturer (Probationary),
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