

ARUCHUNAN AGILAN

Colombo, Sri Lanka | +94 777 776 136 | +94 777 076 747 | akeellan99@gmail.com | [Portfolio](#) | [LinkedIn](#) | [Github](#)

PROFESSIONAL SUMMARY

Software Engineer with 6+ years of experience in full-stack web development, freelance software projects, and technical support. Skilled in building scalable web applications using Java, Python, ReactJS, and REST APIs, with strong knowledge of SQL/NoSQL databases. Experienced in developing AI-powered solutions using TensorFlow and PyTorch. Proven ability to deliver end-to-end client projects including e-commerce systems, business platforms, and automation tools in Agile environments.

PROFESSIONAL EXPERIENCE

Associate Software Engineer | **The UVA VEC Pvt. Ltd.** | Colombo, Sri Lanka | *Jan 2025 – Dec 2025*

- Designed and developed full-stack web applications using ReactJS for frontend and Java Spring Boot and Python for backend services
- Built and integrated RESTful APIs to connect frontend applications with backend systems, ensuring seamless data flow
- Implemented AI-driven features such as recommendation systems and predictive analytics
- Developed responsive and intuitive UI components that improved application usability across devices

Freelance Web Developer | **Self-Employed** | Remote | *2020 – Present*

- Deliver end-to-end web development solutions for clients across various industries including e-commerce, services, and startups
- Build custom web applications using the MERN stack (MongoDB, Express, ReactJS, Node.js) and other modern frameworks tailored to client requirements
- Develop and integrate RESTful APIs, third-party services (payment gateways, social APIs, AI services), and CMS platforms
- Manage full project lifecycle: requirements gathering, UI/UX design, development, testing, deployment, and post-launch support
- Delivered AI-powered projects including automated content schedulers, web audit tools, and multi-vendor e-commerce platforms

ICT Demonstrator | **National Vocational Training Institute** | Nawala, Sri Lanka | *July 2020 – April 2021*

- Delivered hands-on training in Python, Java fundamentals and software development to over 40 students
- Assisted students in understanding complex programming concepts through real-world examples

Trainee Computer Programmer | **District Secretariat** | Colombo, Sri Lanka | *February 2020 – July 2020*

- Developed responsive UI components, boosting usability across devices
- Assisted in debugging, testing, and documenting software applications

ICT Technician | **National Blood Bank Center** | Colombo, Sri Lanka | *January 2018 – July 2018*

- Managed and maintained over 30 computer systems and local area networks to ensure smooth operations
- Provided technical support for hardware, software and network-related issues

PROJECTS

Facebook AI Agent Automation | **Automated Post Upload System** |

Technologies: ReactJS, Node.js, ExpressJS, MongoDB, Facebook Graph API, AI/ML

- Built an AI-powered automation agent that schedules and uploads posts to Facebook pages using the Facebook Graph API

- Developed a MERN stack web application enabling users to manage content calendars, drafts and automated publishing workflows
- Integrated AI-driven caption generation and content optimization features to improve post engagement

Web Audit Tool | Automated Website Performance & SEO Analyzer |

Technologies: ReactJS, Node.js, ExpressJS, MongoDB, Puppeteer, Lighthouse API

- Developed a full-stack web auditing platform that analyzes websites for performance, SEO, accessibility and security issues
- Integrated Google Lighthouse API and custom crawling scripts to generate detailed audit reports with actionable recommendations
- Built an interactive dashboard to visualize audit scores, historical trends and comparative analyses across multiple URLs
- Automated scheduled audits with email notification support to alert stakeholders of significant performance regressions

ShopX | Multi-Vendor E-Commerce Platform |

Technologies: ReactJS, Node.js, ExpressJS, MongoDB, Stripe API

- Architected and developed a scalable multi-vendor e-commerce platform supporting independent vendor storefronts, product listings and order management
- Built a robust RESTful API backend with role-based access control for buyers, vendors and platform administrators
- Integrated Stripe payment gateway for secure multi-party payment processing and automated vendor payouts
- Implemented AI-powered product recommendation engine using scikit-learn to personalize the shopping experience

EDUCATION

- Bachelor of Software Engineering (Honours) (Awaiting Certificate) | Open University of Sri Lanka
- OTHM Level 6 Diploma in Business Management | Metropolitan College, Dehiwala
- Diploma in Information and Communication Technology – NVQ Level 5 | National Vocational Training Institute

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C#, SQL, JavaScript

Frontend: HTML5, CSS3, ReactJS, Bootstrap, Material-UI, Responsive Design

Backend: Java Spring Boot, Python Flask/Django, Node.js, RESTful APIs, Microservices

Architecture: MVC, Object-Oriented Programming, Design Patterns

Database Technologies: MySQL, Oracle, MongoDB, SQLite, Data Modeling, Query Optimization

AI/ML Libraries: NumPy, pandas, scikit-learn, TensorFlow, PyTorch

AI/ML Techniques: Supervised/Unsupervised Learning, Regression, Classification, Neural Networks

AI Applications: Recommendation Systems, Predictive Analytics, AI Integration, AI Agent Automation

Development Tools: Git, GitHub, VS Code, Postman, JIRA, TestRail

Testing & QA: Unit Testing, Integration Testing, Functional Testing, Regression Testing, API Testing

Methodologies: Agile, Scrum, Test-Driven Development

REFERENCES

Mr. Lakshan Yatiwella (Director)

The UVA VEC (Pvt) Ltd. Colombo
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Mr. Romison Ravichandran (Systems Engineer)

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