Selvavinayagan Babiharan

BSc IT | MSc IT in Education | C|SCU | MBCS | MIEEE | MACM

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PROFESSIONAL PROFILE

Results-driven IT professional, entrepreneur, and cybersecurity researcher with experience in software development, AI, academic leadership, and business management. Proven record in delivering technical solutions, leading teams, and contributing to research and digital transformation.

CORE COMPETENCIES

Cybersecurity & Penetration Testing; Full Stack Development (Laravel, React, Angular); AI & Machine Learning; Cloud & DevOps (AWS, Linux, Git); Academic Teaching & Curriculum Development; Research & Responsible Disclosure

EDUCATION

University of Kelaniya — Colombo, Sri Lanka

Master of Science – Information Technology in Education — January 2022 – January 2026

Thesis: Artificial Neural Network Based Personalised System to Enhance Mathematics Education for Secondary Students in Sri Lanka.

Aldersgate College — Sri Lanka (Philippines)

Bachelor of Science – Information Technology — August 2018 – December 2020

Final Project: Online Grocery Shopping During the COVID-19 Pandemic.

Aims College — Colombo, Sri Lanka

HND – Advanced Diploma in Information Technology — 2016 – 2017

WORK EXPERIENCE

Hexad International (Pvt) Ltd — Jaffna, Sri Lanka

Founder & Managing Director — January 2024 – Present

- Founded and scaled a multi-service consultancy delivering visa advisory, student visa process, and international logistics services, acquiring 20+ B2B and B2C clients within the first year of operations.
- Developed and launched guided tour packages and inland travel programmes for Sri Lanka and international destinations, coordinating itineraries, permits, and ground logistics.

Hexad Tech Solutions (Pvt) Ltd — Sri Lanka

Founder & Managing Director — July 2021 – Present

- Founded and led a software development company specialising in web-based applications, custom platforms, and digital solutions for local and international clients.
- Architected and delivered 10+ web projects using Laravel, React, Angular, PHP, and MySQL, consistently meeting client requirements on time and within budget.

College of Manifold Science & Technology (Pvt) Ltd — Jaffna, Sri Lanka

Director of Academic Affairs — January 2022 – Present

- Provided strategic direction for academic programmes, curriculum development, and institutional quality assurance across IT disciplines.

Hearty & Care International — Sri Lanka

IT Manager & IT Lecturer — January 2020 – December 2021

- Managed the organisation's IT infrastructure, systems security, and internal technical support while delivering IT training and lectures to staff and students.

Aquinas College Sri Lanka

IT Trainee & Visiting Lecturer January 2019 – December 2019

- Assisted in delivering IT modules and laboratory sessions, supporting students across a range of programming and networking topics.

iStore Jaffna Jaffna, Sri Lanka

Hardware Technician & Technical Support Officer January 2018 – December 2018

- Diagnosed and repaired hardware faults across Apple and general consumer devices, providing technical support and customer-facing advisory services.

PROFESSIONAL MEMBERSHIPS

- Member of the British Computer Society (MBCS) – 2024 to Present
- Graduate Student Member, Institute of Electrical and Electronics Engineers (MIEEE) – 2024 to Present
- IEEE Young Professionals – 2024 to Present
- IEEE Computer Society Technical Community on Security and Privacy – 2024 to Present
- Professional Member, Association for Computing Machinery (MACM) – 2024 to 2025
- Member, Canadian Information Processing Society (CIPS) – 2024 to 2025

CERTIFICATIONS & TRAINING

- Completed Improvement of Skills in Research Methodology and Scientific Writing for MPhil and PhD Students, conducted by the Faculty of Graduate Studies, University of Kelaniya
- Diploma in Information Technology (DiTec) – DMI Computer Education
- Diploma in Networking and Hardware – DMI Computer Education
- Diploma in English – DMI Computer Education
- Certified Secure Computer User (C|SCU) – EC-Council
- Wireless and Mobile Hacking – Eskills Academy
- Hacking Web Services and Web Applications – Eskills Academy
- Following CEH & CHFI at EC-Council

SECURITY RESEARCH & RESPONSIBLE DISCLOSURE

- Acknowledged by the University of York (UK) for responsible vulnerability disclosure – listed on the official Hall of Thanks. (https://www.york.ac.uk/it-services/about/policies/vulnerability-disclosure/)
- Acknowledged by Dialog Axiata PLC (Sri Lanka) for responsible disclosure of security vulnerabilities.
- 50+ responsible disclosure acknowledgements from organizations across Sri Lanka for web application penetration testing findings.

CONFERENCES & PROFESSIONAL DEVELOPMENT

- ICDETA-25 – International Conference on Distance Education Technologies and Applications, Stavanger, Norway (November 2025)
- National Police Academy International Research Conference (NPAIRC 2026) - CyberSafe: An AI-Driven Ludic-Pedagogical Framework for Predictive Cybercrime Vulnerability Assessment Among Sri Lankan School Students
- Asia Tech x Singapore, Singapore (2023)
- Sri Lanka Army Cadet Corps – Lance Corporal (School Level); NCC Veteran & Society Member (2015 to Present)
- Volunteer, Mentor & Speaker – Yarl IT Hub & Aatral Organization, Jaffna

LANGUAGES

Tamil – Native **English –** Professional Working Proficiency **Sinhala –** Conversational