

HASITH MADHUSHAN

Network Engineering Intern

Location: Gampaha | **Phone:** +94 741 229 075 | **Email:** madhushankumarathunga@gmail.com

LinkedIn: [Profile](#) | **Portfolio:** [hasith.tech](#)

PROFESSIONAL PROFILE

Proactive Computer Networks undergraduate seeking a Network Engineer Internship to apply hands-on skills in infrastructure security and systems troubleshooting. Proficient in Cisco routing and switching, firewall configuration and Linux administration. Adept at Wireshark traffic analysis and managing Apache/MySQL server environments, with a strong passion for network automation and continuous technical growth.

EDUCATION

Bachelor of Information and Communication Technology (BICT) Honours | University of Kelaniya, LK

Specialisation: Computer Networks | Faculty of Computing & Technology

Timeline: September 2023 – Present

G.C.E. Advanced Level (A/L) | Bandaranayake College, Gampaha

Timeline: 2019 – 2022

TECHNICAL SKILLS & COMPETENCIES

- **Networking & Security:** Cisco Packet Tracer, Wireshark, Firewall Administration, Network Routing & Switching, TCP/IP, DNS Configuration, Subnetting, and Traffic Analysis.
- **Cloud & Systems Administration:** Server Environment Management (XAMPP, Apache, MySQL), CI/CD Automation, Live Domain & Hosting Management.
- **Programming & Scripting:** Python, PHP, JavaScript, HTML5, CSS3.
- **Databases & Architecture:** PostgreSQL, MySQL, Supabase (Row-Level Security / RLS), Centralized & Distributed System Design.
- **Tools & Methodologies:** GitHub, VS Code, Jira, Figma, System Architecture Design, Agile SDLC.

CERTIFICATIONS & PROFESSIONAL TRAINING

- **Cisco Certified Network Associate (CCNA)** | Vibernets Academy (Commenced May 2026)
- **Introduction to Cybersecurity** | Cisco Networking Academy (Reading / In Progress)

KEY TECHNICAL PROJECTS

Personal Portfolio & Cloud Infrastructure Architecture | *Network & Infrastructure Developer*

Tech Stack: *Vercel Edge Network, GitHub CI/CD, VS Code, Custom DNS (.tech), SSL/TLS, CDN* | [\[GitHub Link\]](#)

- Architected and deployed a high-performance personal platform hosted on Vercel's global Edge network, achieving sub-second page loads and zero downtime.
- Configured custom DNS routing records (A/AAAA, CNAME) and integrated SSL/TLS certificates for hasith.tech to enforce HTTPS encryption and secure transmission protocols.
- Engineered automated CI/CD pipelines using GitHub and VS Code to automate code linting, version control, and production deployments.
- Monitored network traffic and request latency metrics, optimising asset delivery across distributed CDN nodes to minimise latency for global users.

Rikili – Vehicle Service Management Platform | *Volunteer Backend & Infrastructure Developer*

Tech Stack: *React.js, Next.js, Tailwind CSS, Supabase (PostgreSQL)* | **Volunteer Project**

- Co-developed a scalable, dual-sided web application ecosystem to digitise automotive workshop workflows and maintain permanent cloud records of vehicle service histories.
- Architected a robust PostgreSQL database structure using Supabase, integrating Row-Level Security (RLS) to enforce strict database-level access policies and secure data sandboxing.
- Integrated Twilio SendGrid and BulkSMS APIs to engineer an automated omnichannel notification engine for real-time customer touchpoints.
- Designed the system architecture for high availability and concurrent user distribution across service stations, ensuring reliable retrieval and sub-3-second page loads.

Sustainable Ride-Sharing Platform | *Backend Developer & Co-Researcher*

Tech Stack: *PHP, Flutter, Figma, Relational Databases, SDLC Methodologies* | [\[FCTSRS 2025 Research\]](#)

- Co-developed a cross-platform (web and mobile) digital ride-sharing ecosystem designed to optimise urban mobility and reduce carbon emissions for university personnel.
- Built core backend infrastructure using PHP to handle secure user account authentication, algorithmic ride scheduling, and dynamic route-matching logic.
- Executed a structured software development lifecycle—spanning requirement analysis, architectural system design, and testing—culminating in a co-authored research publication.

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

- **Competitive Taekwondo Athlete:** SLUG Medallist (2025), Inter-University Medallist (2024), and University Colours Awardee (2023/2024). Demonstrated exceptional discipline, resilience, and focus.
- **Faculty Hardball Cricket Team:** Active fast bowler representing the FCT hardball cricket team in competitive tournaments.
- **Leadership & Professional Affiliations:** Active Member of the Information Technology Students' Association (ITSA), University of Kelaniya, contributing to academic and peer-mentoring initiatives.
- **Core Competencies & Soft Skills:** Cross-functional teamwork and collaboration, prioritisation and time management in agile settings, technical adaptability, and a commitment to continuous learning.