



ABDULLAH FAHIM

BSc (Hons) in Computer Science[UG]

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- Kandy, Sri Lanka.

PROFESSIONAL SUMMARY

I am a 4th-year Computer Science undergraduate with a strong foundation in full-stack software engineering and network administration. I have experience building scalable applications and designing efficient system architectures, and I actively contribute to open-source projects. I am currently conducting research on Zero-Day attack detection in Software-Defined Networks (SDNs) and am passionate about solving complex software engineering and network related challenges.

EDUCATION

BSc (Hons) in Computer Science

University of Jaffna | Aug 2022 – Present

Expected Graduation: Nov 2026

- Current OGPA – 3.15

TECHNICAL PROJECTS

Zero Day Attack Detection in SDNs | Final Year Research

Aug 2025 – Present

- Conducting research to improve network security against previously unknown threats.
- Exploring detection approaches using traffic analysis, anomaly detection techniques, and honeypots to identify suspicious network behavior in SDN environments.

Auction and League Management System – AuctixLab | ASP.NET Core & Angular

Mar 2025 – Present

- Led a 5-member team through end-to-end web development to build a highly scalable sports league auction platform.
- Built a real-time points-based bidding system and a token-ordered randomized category auction system with automated failure recovery.
- Integrated SignalR to broadcast real-time bids, assignments, and presentation slides.
- Secured the backend state utilizing strict CORS policies, JWT authentication, and Role-Based Access Control (RBAC).
- Live at: <https://www.auctixlab.cloud>

Food Delivery Platform – majlisGo | React Native, and Supabase

Jan 2026 – Feb 2026

- Developed two mobile applications – a dedicated admin app and a client app for the Muslim Majlis to facilitate university student food deliveries during Ramadan.
- Built a secure backend using Supabase Edge Functions, PostgreSQL, and JWT authentication to handle users, admins.
- Implemented dynamic delivery routing via Google Directions API, featuring location caching and automatic route recalculation for 150m deviations.
- Developed a promotional landing page to support the app's official launch.
- Live at: <https://www.mmuoj.org>

Package Caching Proxy Server | Networking, Shell Scripting, Docker

Dec 2025 – Present

- Developed automated server and client shell scripts to configuration and deployment of the caching infrastructure.
- Implemented Dockerized caching proxies on an Ubuntu server using Verdaccio (npm), apt-cacher (APT), and pypi-devpi (pip) to locally cache development dependencies.
- Configured client machines to route package requests through the centralized proxy network, significantly reducing external bandwidth usage during university lab activities.

Academic Timetable Viewer – DCS Times | Ionic React, Open-Source

Dec 2025

- Built a lightweight, open-source mobile app optimized strictly for fast and reliable viewing of the academic timetable.
- Automated data extraction from official department spreadsheets to keep the data up to date.
- Created a structured UI to view the daily schedules and event updates.
- Latest Release: <https://github.com/Mr-AbdullahFahim/DCS-Times/releases/tag/v1.1.0>

EXPERIENCES

Freelancer

Indie hacker | Oct 2024 – Present

- Service page: <https://www.uicorner.com>

Software Developer Intern

Woocurs – Vavuniya, Sri Lanka | Jan 2025 – Jul 2025

- Developed web and mobile apps with MERN, Laravel, Flutter, and Firebase.
- Handled API integrations, database management, and version control using Git.

Practical Assistant – IoT(External Course)

University of Jaffna | Feb 2025 – Apr 2025

- Assisted lecturers in conducting practical sessions and provided hands-on troubleshooting and conceptual support to students.

Social Media Coordinator – IEEE Nenasu

IEEE Sri Lanka Section SIGHT | Apr 2024 – Mar 2025

- Collaborated with cross-functional teams to ensure consistent brand messaging and visual identity for regional tech events and workshops.

Public Visibility Team Lead

IEEE Student Branch, University of Jaffna | Feb 2024 – Feb 2025

- Led a team in enhancing public visibility through social media, graphic design, and event promotion.
- Successfully coordinated campaigns to increase engagement and member participation by 30%.

Public Visibility Team Member

IEEE Student Branch, University of Jaffna | Feb 2023 – Feb 2024

- Assisted in creating and designing promotional materials, and increased outreach.

Graphic Designer

Gavel Club, University of Jaffna | Feb 2023 – Feb 2024

- Designed promotional materials, including posters and flyers, boosting the club's visual identity.

SKILLS

Frontend Development:

- Angular, React Native, Flutter, Next.js, React.js, HTML5, CSS3, Tailwind CSS, JavaScript

Backend Development:

- ASP.Net Core, Laravel, SQL, MongoDB, MariaDB, Firebase, MS SQL, PostgreSQL

Programming Languages:

- Java, Python, C++, PHP, Perl, Dart, C#, Kotlin, TypeScript

Soft Skills:

- Communication, Team Leadership, Problem Solving

Version Control:

- Git (branching, merging, conflict resolution, pull requests)

Design Tools:

- Figma, Adobe Illustrator, Adobe Photoshop, CLO

CERTIFICATIONS

Responsive Web Design – freeCodeCamp

LANGUAGES

- English: Professional Proficiency
- Tamil: Native
- Sinhala: Conversational

INTERESTS

- Open Source Development
- Cloud Computing
- Software Engineering

REFERENCES

Dr. Kengatharaiyer Sarveswaran

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