

MOHAMED AATHIF

Software Engineer Intern

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Profile Summary

A committed Software Engineering Intern and Computer Science graduate, skilled in software development, enterprise software, and full-stack web technologies. Proficient in PHP, Java, and modern front-end frameworks, with experience developing **scalable solutions**. Recognized for **strong problem-solving skills**, attention to detail, and **creativity** in software engineering. Experienced in operating systems and enterprise-level application development, with a focus on sustainability and efficiency. Innovative and collaborative, with excellent **teamwork and communication skills**. Eager to contribute technical expertise to a dynamic and forward-thinking team.

Technical Skills

Programming Languages: HTML, CSS, PHP, Java, Python, JavaScript, SQL, C#

Frameworks & Libraries: Bootstrap, .Net

Database Management: MySQL

Version Control & Tools: Git, GitHub, VS Code, Figma, Visual Studio

Software Development Concepts: Object-Oriented Programming (OOP), MVC Architecture

Others: REST APIs, Stripe API, Software Development Life Cycle, Debugging, and responsive web design

Hands-on Experience: Laravel, CodeIgniter, React.js

Projects

BloodHub / *Blood Bank Management System* / 02/2024 – 11/2024 → [GitHub](#)

A web-based blood bank management system, conceived to **streamline donor registration, blood inventory tracking, and hospital requests**. BloodHub enhances operational efficiency, ensures real-time transparency, and optimizes blood supply management.

- **Enhanced** an interactive platform for donors, hospitals, and administrators to manage blood donations and requests efficiently.
- **Executed** a structured blood inventory system, reducing manual tracking errors by 40% and ensuring accurate stock availability.
- **Planned** a hospital request module, allowing hospitals to request blood units based on real-time inventory updates, reducing processing time by 30%.
- **Optimized** donor registration and eligibility verification workflows, improving data accuracy and donation approval efficiency.
- **Incorporated** an automated notification system to inform donors and hospitals about request statuses and appointment confirmations.
- **Enhanced** security with role-based access control, ensuring data integrity and restricted access to sensitive information.
- **Deployed** using a PHP-based backend with MySQL database and a responsive front-end, ensuring seamless user experience across devices.
- **Technologies Used:** PHP, JavaScript, Bootstrap, MySQL.

GiveHope / *Crowdsourced Fundraising Platform* / 05/2024 – 01/2025 → [GitHub](#)

A web-based crowdfunding platform designed to **streamline campaign management, enable secure donation processing, and enhance supporter engagement**. GiveHope provides real-time fund tracking, ensuring transparency and trust for donors and campaign creators.

- **Developed** a user-friendly fundraising platform enabling individuals and organizations to create and manage campaigns efficiently.
- **Implemented** a secure donation processing system supporting multiple payment methods, ensuring **100% transaction safety**.
- **Created** an admin dashboard for campaign approval, fund tracking, and user management, reducing fraudulent campaigns by **40%**.
- **Integrated** real-time analytics, allowing campaign creators to monitor donation trends and optimize fundraising efforts.
- **Optimized** campaign visibility through search and filtering functionalities, improving donor engagement and campaign success rates.
- **Automated** email notifications for campaign approvals, donor receipts, and funding goal achievements, increasing platform interaction by **30%**.
- **Enhanced** security with **role-based access control**, ensuring appropriate permissions for admins, campaign creators, and donors.
- **Technologies Used:** PHP, JavaScript, Bootstrap, MySQL.

Mini Projects

Aurora Skin Care / Clinic Appointment & Billing System → [GitHub](#)

A **Java-based** appointment and billing management system formulated for **Aurora Skin Care**, a private dermatology clinic in Colombo. It streamlines **appointment scheduling, patient registration, and invoicing** to improve clinic operations.

- **Enhanced** a user-friendly system for scheduling, rescheduling, and canceling appointments based on dermatologist availability.
- **Implemented** secure **patient registration** with NIC validation and **automated LKR 500 fee processing** for confirmed bookings.
- **Planned** a **billing module** that calculates treatment costs, applies a **2.5% tax**, and rounds up final fees for accurate invoicing.
- **Incorporated** an **invoice generation system**, providing detailed breakdowns of charges, taxes, and total payments.
- **Technologies Used:** Java, Object-Oriented Programming (OOP).

Pizza Shop System / Customizable Ordering & Payment Platform → [GitHub](#)

A **Java-based** pizza shop management system Constructed for a **medium-scale pizza business**, offering **customizable orders, real-time tracking, and a loyalty program** to enhance customer satisfaction and streamline operations.

- **Developed** a **pizza customization module** allowing customers to select crust, sauce, cheese, and toppings, with an option to save unique combinations for future orders.
- **Implemented** a **seamless order placement system** supporting both **pickup and delivery**, with estimated delivery times.
- **Integrated** a **customer registration system**, storing user details for faster checkout and loyalty tracking.
- **Designed** a **real-time order tracking system**, updating customers on their order status from **preparation to delivery**.
- **Technologies Used:** Java, Object-Oriented Programming (OOP), Design Patterns (Builder, State, Strategy).

Education

BSc (Hons) Computer Science in Software Engineering <i>ESOFT Metro Campus, Kandy. (Kingston University)</i>	01/2024 – 01/2025
BTEC HND in Computing in Software Engineering <i>ESOFT Metro Campus, Kandy (PEARSON) Batch Topper</i>	02/2022 – 01/2024
Advance-Level in Technology Stream <i>Zahira College Mawanella</i>	03/2018 – 06/2020

Languages

- **English** – *Fluent*
- **Tamil** – *Native*
- **Sinhala** – *Conversational*

Personal & Team Engagement

- **Cadet Student (4 Years)** – Developed discipline, teamwork, and leadership skills.
- **First Aid Team Member** – Assisted in school medical emergencies, improving problem-solving skills.
- **Hackathon Participant** – Collaborated on real-world software solutions.
- **Sports Enthusiast** – Actively play Cricket, Badminton, and Swimming.

Professional Experience

IT Support Technician <i>Smart PC Pvt Ltd, Sri Lanka</i>	11/2021 - Present
<ul style="list-style-type: none">- Provided technical support & troubleshooting for hardware/software issues.- Assisted in software installations & optimizations for improved system efficiency.- Developed problem-solving & debugging skills, which apply to software engineering.	