

MOHAMED FAYAS

Software Engineer

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🚩 Srilankan 🌐 Github 🔗 Portfolio Website

About Me

Full-stack developer and aspiring data analyst with experience in **designing and deploying responsive, cloud-based web applications**. Skilled in **RESTful API integration, database optimization, and data-driven analytics** using R and Python. Proficient in React.js, Node.js, PHP, MySQL, and Supabase, with experience in **Agile Scrum methodologies, CI/CD pipelines**, and version control (Git). Adept at **cloud deployment** on Vercel, Netlify, and AWS, and delivering scalable, user-focused solutions.

[View my portfolio](#) 

Education

G.C.E. O/L & A/L

K/ Madina National school

HND in Computing and Software Engineering

ICBT Campus

09/2022 – 09/2024

BEng (Hons) Software Engineering - Top-up

ESOFT Campus

11/2024 – present

Professional Experience

Stock Manager

Liberty Lanka International (Pvt) Ltd

09/2024 – 01/2025

- Managed and optimized stock records using digital tracking systems, improving inventory accuracy by 15% and reducing stock discrepancies. Coordinated with suppliers and logistics teams to streamline operations, applying data-driven analysis for restocking decisions.
- Coordinated with suppliers and logistics teams to streamline operations and ensure timely product availability.

- Prepared detailed inventory and cost analysis reports to support business decisions.
- Applied data analysis to forecast demand and reduce overstocking, contributing to cost savings.

Projects

Resturant Website [Room Reservation]

[GitHub Repo](#) 

- Developed using HTML , CSS, PHP, MySQL database & Javascript
- Implemented secure form handling and validation for customer reservations.

Resturant Website [TableReservation]

[GitHub Repo](#) 

- Built responsive booking platforms with secure backend integration.
- Designed and implemented database schema for efficient reservation management.

GYM Website – HTML, CSS, PHP, MySQL, JavaScript

[GitHub Repo](#) 

- Designed and developed a responsive gym management website with membership registration, class scheduling, and trainer profiles.
- Implemented a secure login system for members and administrators using PHP session management.
- Built dynamic dashboards for tracking active memberships and generating reports.

E-Shift Household Goods Shifting System – C#

[GitHub Repo](#) 

- Created a desktop application to manage customers, transport jobs, and logistics units with role-based access control.

AI-Enhanced Chatbot – Java, NLP Libraries

[GitHub Repo](#) 

- Developed an intelligent chatbot capable of responding to user queries using natural language processing.

Data-Driven Analysis of Occupational Prestige Factors (Canada) – R

- Examined occupational dataset of 10,000+ professions using Python, uncovering a correlation between educational attainment and career satisfaction scores with a 95% confidence interval, informing future career guidance programs.

Android Application for Flower Shop – Java, Firebase

[GitHub Repo](#) 

- Developed a mobile app with product listings, order placement, and real-time database updates.

Job Finder Web Application (In Progress) – React.js, Clerk Authentication, Supabase

- Designed a responsive job search platform where recruiters can post listings and job seekers can apply online.
- Planning and integrating Clerk Authentication for secure login with email/password and social accounts, along with role-based access for recruiters and applicants.
- Using Shadcn/UI to create accessible, reusable, and visually consistent interface components.

- Built dynamic job posting and filtering functionality to improve job search efficiency.
- Planned deployment with cloud hosting for scalability and accessibility.

Portfolio Website – HTML, CSS, PHP

View website [↗](#)

- Designed and deployed a personal portfolio site showcasing projects and skills.

Languages

Tamil

Native

English

Proficient

Sinhala

Fluent

Skills

Programming Languages

Java, JavaScript, PHP, C#, R, SQL, C++

Web design and development

HTML5, CSS3, PHP, React.js, Node.js Responsive Design

Data Analytics

R, Python, PowerBI, Excel

Tools & Platforms

Git/GitHub, VS Code, VS Code 2022, Netbeans, ShadcnUI, Clerk, Android Studio, Docker, Tableau/Power BI

Databases

MySQL, Supabase, Firebase