

M Mohamed Asath

Software Engineer Intern @ IFS | Computer Software Engineering

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As a software engineer intern at IFS, I specialize in database queries and server-side development while pursuing my education at SLIIT. I am passionate about applying web technologies to create innovative and efficient software solutions. With a strong academic record and hands-on experience in development, I am committed to continuous learning and excellence in software engineering.

Work Experience

Software Engineer Intern

November 2024 - Present

IFS | Colombo District, Western Province, Sri Lanka (Hybrid)

- Optimized PL/SQL and Oracle SQL queries to enhance database performance
- Collaborated with QA teams to design and execute manual test cases
- Modernized legacy Java EE systems by reimplementing core logic using Marble Framework
- Participated in Agile workflows for iterative feature delivery
- Maintained server-side components using Java/OSGi for enterprise applications

Education

BSc (Hons) Degree in Information Technology (Specialized in SE)

February 2023 - Present

Sri Lanka Institute of Information Technology (SLIIT)

CGPA: 3.7

Secondary Education

2017 - 2021

Jaya MMV - Kekirawa (A/L) | Kekunagolla National School - Kurunegala (O/L)

Technical Skills

Development

JavaScript/TypeScript Java/JUnit Python C/C++ React.js
Tailwind CSS Vite Framer Motion Node.js Express.js
RESTful APIs JWT Authentication Android (Java) MongoDB
Firebase MySQL Git & GitHub SQL/PLSQL Postman
Figma (basic) Android Studio npm/yarn Docker Linux/TAR
Marble Framework Java/OSGi CI/CD Pipelines

Soft Skills

Leadership Team Management Communication
Presentation Skills Teamwork Problem-solving
Time Management Multitasking Adaptability Analytical Thinking
Project Management Fast Learner Self-Motivated

Projects

Personal Portfolio Website

<https://icy-r.dev>

A modern, responsive personal portfolio website showcasing my projects and professional experience. Features dynamic content loading, responsive design, and modern UI/UX principles.

Tech Stack: React.js, Vite, Modern UI/UX design principles, ESLint, SWC, GitHub Pages

RESTful Personal Finance Management System

Developed a comprehensive RESTful API for personal finance management, featuring user authentication, transaction tracking, budget management, and financial goal setting. Implemented secure user authentication and complete CRUD operations.

Tech Stack: Express.js (Node.js), MongoDB, JWT, Swagger/OpenAPI, Automated testing, pnpm

OSGi-based Modular System

Implemented a modular system using OSGi framework, demonstrating enterprise-level software architecture principles. Features dynamic module management and component-based development.

Tech Stack: Java, OSGi Framework, Maven/Gradle, Modular System Design, Component-based Architecture

Projects (Continued)

Skyhawks Data Analysis

Data analysis project utilizing Jupyter Notebooks for data processing, visualization, and statistical analysis. Demonstrates proficiency in data science tools and analytical thinking.

Tech Stack: Python, Jupyter Notebook, Pandas, NumPy, Matplotlib/Seaborn, Git

AIESEC Platform Development

2024

github.com/icy-r/aiesec

Full-stack development of a platform for global talent exchange initiatives, featuring user management and project coordination capabilities.

Tech Stack: JavaScript, React, Node.js, REST APIs

AIESEC Partner Integration

2024

github.com/icy-r/aiesec-p1

Collaborative project implementing partner integration features for global talent exchange platform.

Tech Stack: JavaScript, API Integration, System Architecture

Certifications

Introduction to Career Skills in Data Analytics

Issued March 2025

LinkedIn

Introduction to Prompt Engineering

Issued June 2024

GitHub

Mobile App Development

Issued July 2024

Simply Learn

Achievements

- Dean's List - Year 2 Semester 1
- Winner - Mini Hackathon by MS Club of SLIIT

Extracurricular Activities

Secretary - Mozilla Campus Club of SLIIT

March 2025 - Present

Coordinating club activities and facilitating tech community engagement.

Team Developer - SLIIT FOSS Community

August 2024 - Present

Contributing to open-source projects and participating in code reviews.

Team Leader - oGTe

January 2024 - Present

AIESEC in SLIIT | Part-time | Hybrid

Leading cross-cultural projects and global talent exchange initiatives.

References

Miss. Kirshika Sriranjani

Senior Program Manager, A & D - IFS Canada
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Miss. Jithmi Weerasekara

Lead Software Engineer - AMS, IFS R&D International
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Mr. Subhan Kariyawasam

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Mr. Uditha Saranga

Senior Director – Strategic Tech Lead, Office of COO
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Interests

- Android App Development
- UI/UX Design
- Cloud Computing
- AWS
- Firebase Hosting
- Server-side Development
- Backend Architecture
- Problem Solving
- Algorithmic Thinking
- DevOps (Beginner)
- Full Stack Development
- Open Source Contribution
- Linux