HAMOOD THARIQ

Software Engineer

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ABOUT ME

Motivated and detail-oriented Computing undergraduate at the National Institute of Business Management, passionate about developing innovative software, mobile, and IoT solutions. Experienced in applying modern technologies such as Java, Spring Boot, Flutter (FlutterFlow), and Arduino to create efficient, user-focused systems. Recognized for strong problem-solving, teamwork, and analytical thinking, with a commitment to leveraging technology to solve real-world challenges and contribute meaningfully to dynamic IT projects.

EDUCATION

National Institute of Business Management | 2024 - 2025
Higher National Diploma in Software Engineering
Grade - PENDING

National Institute of Business Management | 2023 - 2024
Diploma in Software Engineering
Grade - 3.71

VOLUNTEERING EXPERIENCE

Professional Development Director - **Rotaract Club of Kandy Hill Capital**
Jul 2025 - Present

General Member - **Rotaract Club of Kandy Hill Capital**
2024 - 2025

Member - **IEEE**
NIBM
2025 - Present

Co Lead - **STEM UP Foundation**
NIBM Kandy
2025 - Present

Volunteer - **STEM UP Foundation**
NIBM Kandy
2023 - 2024

Committee Member – **NIBM IT Society**
NIBM Kandy
2023 - 2024

Batch Representative - **1st Year 1st semester**
NIBM Kandy
2023 - 2024

TECHNICAL SKILLS

Programming Languages:

- C
- C++
- C#
- Java
- Javascript
- Python

Frameworks:

- Spring Boot
- .NET MVC
- Kotlin
- Express.js

Database Languages:

- MySQL
- SQL
- Oracle SQL

Data Analytics/Statistics:

- Power BI
- MS Excel
- Jamovi (Statistical Analysis)

KEY SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Public Speaking

PROJECTS

Landslide Detection and Monitoring System

(Jul 2025 – present)
- Developing an IoT system which will deliver real-time landslide alerts, reducing disaster risks.

Skills: IoT · Web Application Development · Machine Learning · Mobile Application Development

Billing and Inventory Management System

(Oct 2025 – present)
- Developed a Billing and Inventory Management System to manage a motor service center and spare parts store in a single platform.

Skills: Java · Spring Boot · MySQL · Bootstrap · React · HTML · CSS · JavaScript

Warehouse Inventory Robot

(Jan 2025 – Apr 2025)
- Developed an Arduino powered semi AGV robot with mobile app control to allow automated warehouse management.

Skills: Arduino · Robotics · Sensor Integration · Modular Design

QuickCart

(Jul 2024 – Nov 2024)
- Developed all-in-one Flutter app unifying goods purchasing and on-demand services.

Skills: Flutter · Firebase · Mobile App Development · FlutterFlow

EduSync – Academic Management System

(Aug 2024 – Oct 2024)
- Developed Java Swing desktop app for attendance, GPA, budget, and task management.

Skills: Java · Java Swing · MySQL · JDBC

AWARDS

- Smart Student Award | Wesswood International College (2022)
- Spirit of Service | Rotaract District 3220 (2025)
- Member of the month | Rotaract Club of Kandy Hill Capital (2025)

CERTIFICATIONS

- Project Management Reinvented for Non-Project Managers - **LinkedIn Learning**
- Certificate in Software Testing and Quality Assurance **- Institute of Management, Technology and Finance (LinkedIn Learning)**

REFERENCES

Mrs. Anjula Weerasinghe
Course Director - HND in
Software Engineering
NIBM Kandy
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