# MOHAMED IMRAN IFADHA

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## SOFTWARE ENGINEER - INTERN

I am a dedicated and motivated graduate with a BEng (Hons) in Software Engineering. I am passionate about building innovative software solutions, I have hands-on experience in both frontend and backend development. My technical skillset includes React.js, HTML, and CSS for frontend, along with Python, C#, JavaScript, PHP, and Next.js for backend development. I am eager to apply my knowledge to real-world projects, embrace continuous learning, and grow within a forward-thinking and collaborative environment.

## WORKING WITH PASSION – PROJECT HIGHLIGHTS

### MEALMINDER – AI-BASED DIETARY MANAGEMENT SYSTEM | MealMinder

Final Year Research Project | BEng (Hons) | 2024–2025

A web-based system that uses AI and computer vision to detect food from images and provide nutritional analysis.

- Tech Stack: Python, Flask, TensorFlow, React.js, HTML, CSS, MySQL
- Implemented image classification for food detection and nutritional tracking.
- Integrated USDA API for calorie and nutrient data.
- Allowed users to track daily intake and get personalized food recommendations based on health goals (e.g., diabetes, hypertension).
- Designed a responsive and user-friendly interface for food logging and insights.

### FinBuddy – AI-Powered Banking Chatbot | FinBuddy

AI Project | 2024

An NLP-based chatbot that simulates banking assistant functions for improved customer interaction.

- Tech Stack: Python, Flask, SQLite, PyTorch (ML), Natural Language Toolkit (NLTK)
- Handled FAQs related to banking services (e.g., balance inquiries, transactions).
- Included a dynamic learning module with a retrainable intent model.
- Managed knowledge using a local SQLite database for faster access.

### DreamDay – Wedding Planner Web Application | DreamDay

ASP.NET MVC Project | 2025

A full-stack web application to manage wedding event planning and vendor services.

- Tech Stack: ASP.NET MVC (C#), MySQL
- Role-based access for Admin, Users, and Vendors.
- Features include budget tracking, vendor bookings, guest list management, and event schedules.
- Admin panel to monitor system activities and approve vendors.

### GasByGas – Online Gas Requesting & Delivery System | GasByGas

Advanced Software Engineering Project | 2025

A web and mobile-based platform that connects customers with gas stations for LP gas delivery.

- Tech Stack: React Native, Next.js, Node.js, MySQL
- Multi-role system for Customers, Outlets, and Head-office.

- OTP-based token verification system for secure deliveries.
- Real-time outlet stock updates and request handling.
- Mobile-first design with responsive layout and API integration.

## Blog – Flask-Based Blog Management System | [FlaskBlog](#)

Mini Flask Application | 2024

A simple blogging platform supporting CRUD operations for posts.

- Tech Stack: Python Flask, HTML, CSS
- Users can create, view, edit, and delete blog posts.
- Includes login functionality and basic error handling.
- Lightweight interface designed for individual bloggers.

## Travelmate – AI-Powered Travel Chatbot | [TravelMate](#)

AI Project | 2025

A conversational chatbot that helps users with travel suggestions and itinerary guidance.

- Tech Stack: Python, NLTK, Regex, SQLite
- Provided location-based travel tips, recommendations, and planning support.
- Trained with custom intent dataset to recognize travel-related queries.
- Context-aware logic for maintaining dialogue flow.

## BookHaven – Bookstore Management System | [BookHaven](#)

Windows Forms Application | 2025

- A comprehensive bookstore management tool for handling inventory, suppliers, and sales.
- Tech Stack: C#, Windows Forms, SQL Server, Entity Framework
- Role-based login (Admin, Staff) with secure hashed credentials.
- Managed inventory, suppliers, orders, and sales records.
- Generated detailed reports in PDF/Excel using EPPlus and LINQ queries.

## SKILL HIGHLIGHTS – KEY COMPETENCIES

- Back-End Development:

Python   |   C#   |   JavaScript   |   PHP   |   Java

- Front-End Development:

React.js   |   HTML   |   CSS

- Full-Stack & Frameworks:

Next.js   |   Flask (Python)   |   ASP.NET MVC (C#)   |   Node.js

- Database & API Handling:

SQL   |   MySQL   |   Entity Framework   |   RESTful APIs | API Integration

- Tools & Platforms:

Git & GitHub   |   Visual Studio   |   VS Code | Postman

- Core Competencies:

Problem Solving   |   Debugging   |   Clean Code Practices   |   Object-Oriented Programming (OOP) | Figma (UI/UX Awareness)

## EDUCATION

**BEng(Hons) - Software Engineering**

London Metropolitan University

      2024-2025 (Top-up Degree)

**HND in Software Engineering**

      ESOFT METRO CAMPUS

      2022 October - 2024 February

**Diploma In Information Technology**

      ESOFT METRO CAMPUS

      2021 – 2022

## REFERENCE

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