

# Mohamed Imran Ifadha

Full-Stack Development — AI Integration & Database Management — Open to Opportunities

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## Profile Summary

Motivated and detail-oriented Software Engineering graduate with a BEng (Hons) in Software Engineering (First Class). Focused on Full-Stack Development, with hands-on experience in React.js, Next.js, ASP.NET MVC, Flask, and React Native, supported by strong knowledge of Python, C#, JavaScript, Java, PHP, and SQL. Experienced in building AI-driven applications, NLP chatbots, and scalable web and mobile solutions through academic and practical projects. Adept at problem solving, API integration, and database management, with a commitment to writing clean, maintainable code. Passionate about applying technical expertise to real-world projects, contributing to innovative teams, and continuously growing in dynamic software engineering environments.

## Projects

- MealMinder – AI-Based Dietary Management System** | *Python, Flask, TensorFlow, React.js, MySQL* 2024 – 2025
- Developed a web-based system that detects food using AI and computer vision, providing nutritional analysis and daily intake tracking.
  - Integrated USDA API to fetch calorie and nutrient data.
  - Designed a responsive interface with personalized food recommendations for users with conditions such as diabetes and hypertension.
  - **GitHub:** MealMinder
- FinBuddy – AI-Powered Banking Chatbot** | *Python, Flask, PyTorch, NLTK, SQLite* 2024
- Built an NLP-based chatbot to simulate banking assistant functions and handle FAQs.
  - Implemented retrainable intent model with dynamic learning.
  - Managed banking knowledge base with SQLite for fast access.
  - **GitHub:** FinBuddy
- DreamDay – Wedding Planner Web Application** | *ASP.NET MVC (C#), MySQL* 2025
- Developed a full-stack wedding event management system with role-based access for Admin, Users, and Vendors.
  - Implemented budget tracking, vendor bookings, guest list, and schedule management.
  - Built admin panel for monitoring activities and vendor approvals.
  - **GitHub:** DreamDay
- GasByGas – Online Gas Requesting & Delivery System** | *React Native, Next.js, MySQL* 2025
- Designed a multi-role delivery platform connecting customers, outlets, and head office.
  - Implemented OTP-based token verification and real-time stock updates.
  - Built responsive mobile-first system with API integration for secure delivery handling.
  - **GitHub:** GasByGas
- FlaskBlog – Blog Management System** | *Python, Flask, HTML, CSS* 2024
- Developed a lightweight blogging platform with CRUD operations.
  - Implemented user authentication, login, and error handling.
  - Designed a simple, user-friendly interface for individual bloggers.
  - **GitHub:** FlaskBlog
- TravelMate – AI-Powered Travel Chatbot** | *Python, NLTK, Regex, SQLite* 2025
- Built a conversational chatbot providing travel tips, itineraries, and recommendations.
  - Trained with a custom intent dataset for travel-related queries.
  - Implemented context-aware logic to maintain dialogue flow.
  - **GitHub:** TravelMate
- BookHaven – Bookstore Management System** | *C#, WinForms, Entity Framework, SQL Server* 2025
- Developed a bookstore management desktop app with modules for inventory, suppliers, and sales.
  - Implemented role-based login with secure hashed credentials for Admin and Staff.
  - Generated reports in PDF/Excel using EPPlus and LINQ queries.
  - **GitHub:** BookHaven

Technical Skills

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**Back-End Development:** Python, C#, JavaScript, PHP, Java  
**Front-End Development:** React.js, HTML, CSS, Tailwind 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

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<b>London Metropolitan University</b> <i>BEng (Hons) in Software Engineering – First Class Honours</i>	2024 – 2025
<b>Esoft Metro Campus, Sri Lanka</b> <i>Higher National Diploma (HND) in Software Engineering</i>	2022 Oct – 2024 Feb
<b>Esoft Metro Campus, Sri Lanka</b> <i>Diploma in Information Technology</i>	2021 – 2022

References

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