

# DILSHAN MANOHARA

## Computer Science Undergraduate

dilshmudalige@gmail.com | +94 768961921 | 118/2, Nawala road, Narahenpita, Colombo 05

 [linkedin.com/in/dilshan-manohara](https://www.linkedin.com/in/dilshan-manohara)

 [github.com/dilshanmanohara](https://github.com/dilshanmanohara)

## PROFILE SUMMARY

Motivated Computer Science student passionate about building impactful applications. Skilled in software development and database design, with a strong drive to turn complex challenges into effective solutions.

## EDUCATION

### University of Westminster

*Currently Reading*

- Completed first-year modules including Computer System Fundamentals, Software Development I (Python), Software Development II (Java), Mathematics for Computing, Web Design and Development, and Trends in Computer Science.
- In second year, completed modules focused on real-world application such as Algorithms, Database Systems, Object-Oriented Programming, Client-Server Architecture, Mobile Development and a team-based Software Development Group Project.

### Richmond College

*2017 - 2020*

- GCE Advanced Level

### Aloysius College

*2015 - 2017*

- GCE Ordinary Level

## PROJECTS

### Student Progression Predictor

- Enhanced a Python-based system for student and teachers.
- Implemented dual login pathways as students to view personal progression levels and teachers to enter marks and analyze any student's progression.
- Integrated bar graph visualization for staff to display outcomes.

### Clean Water And Sanitation(Website)

- Designed a website focused on clean water and sanitation.
- Created sections for awareness, solutions and user engagement.

### Plane Ticket Booking Management System

- Created a system to manage airplane seat bookings.
- Features: seat availability check, Seat plan display, and owner info printing
- enabled ticket booking for users

### Real Time Event Ticketing System

- Expanding a system Spring boot and ReactJS.
- Features: inventory management, sales tracking and customer management.
- Implements CRUD operations with database connectivity.
- Focused on scalable backend architecture and modern design patterns.

## Co-Live (Roommate finder app) SDGP

- Improving a roommate and rental management system using Next.js and Supabase.
- Landlords can list and manage rental properties.
- Tenants can search, book properties, and find roommates.
- Executes real-time messaging for communication.
- Secure authentication with role-based access control.
- Focused on scalability and efficient database management.

## Dice Game – Android App

- Technologies: Kotlin, Jetpack Compose, Android Studio.
- Developed an interactive dice game application using Kotlin and Jetpack Compose.
- Applied core game mechanics, including dice rolling, scoring, and turn-based gameplay.
- Ensured a responsive UI that maintains game state during screen orientation changes.
- Followed best coding practices, including clean architecture and efficient state management.

## Movie Info App – Android App

- Technologies: Kotlin, Jetpack Compose, Room, Android Studio, OMDb API.
- Developed a movie information application using Kotlin and Jetpack Compose.
- Enforced features such as adding hardcoded movies to a local Room database, retrieving movie details from OMDb API, and searching for actors and movie titles.
- Ensured a responsive UI that maintains app state during screen orientation changes.
- Followed best coding practices, including clean architecture and efficient state management.

## TECHNICAL SKILL

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- |          |            |               |               |           |
|----------|------------|---------------|---------------|-----------|
| • Html   | • CSS      | • Java        | • Java Script | • Next.js |
| • Python | • React.js | • Spring boot | • Kotlin      |           |

## SOFT SKILLS

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|---------------------|------------------------|--------------------------|
| • Critical Thinking | • Communication Skills | • Working Under Pressure |
| • Team Work         | • Time Management      |                          |

## EXTRA CURRICULAR

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- Member of school LEO club
- Present-Member, LEO club of IIT
- Present-Member, IEEE Society of IIT

## REFERENCE

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- |   |  |
|---|--|
| • Mr. Guhanathan Poravi<br>Senior Lecturer<br>Informatics Institute of Technology(IIT)<br>Email: guhanathan.p@iit.ac.lk<br>Mobile: 077 591 3330 | • Mr. Banuka Athuraliya<br>Visiting Lecturer/SDGP Module Leader<br>Informatics Institute of Technology(IIT)<br>Email: banu@androdollar.com<br>Mobile: 077 778 1061 |
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