



# NIKLESH KARUNaweera

## FULL STACK SOFTWARE ENGINEER

### CONTACT

- +94-76-989-8930
- chamupathikarunaweera@gmail.com
- No.415, Katukoliha Road, Induruwa
- <https://www.linkedin.com/in/niki704>
- <https://github.com/Niki704>

### EDUCATION

#### 3<sup>rd</sup> & 4<sup>th</sup> Year

BSc (Hons) in Software Engineering  
Coventry University, (UK)

- Expected

#### 2024 - 2026

Higher National Diploma in Software Engineering  
National Institute of Business Management Sri Lanka

- Ongoing

#### 2023 - 2024

Diploma in Software Engineering  
National Institute of Business Management Sri Lanka

- GPA: 3.7 / 4.0

#### 2019 - 2022

G.C.E.Advanced Level (Maths Stream)  
G/Sri Devananda College, Ambalangoda

#### 2018

G.C.E.Ordinary Level Exam  
G/Sri Devananda College, Ambalangoda

### PROFILE

I am a Software Engineering undergraduate with hands-on experience in **full-stack web** and **mobile application** development using **Java (Spring Boot)**, **JavaScript**, **React/Next.js**, and **Dart/Flutter** through academic and personal projects. Focused on designing well-structured systems by considering user needs, data flow, and edge cases to build reliable, user-focused solutions. Actively seeking a Software Engineering Internship to contribute to real-world projects while continuing to grow as a developer.

### ACADEMIC PROJECTS

#### Zifty GG - Gaming Community Platform (Next.js + Supabase)

HIGHER DIPLOMA PROJECT

- Designed and developed a **commercial level full stack** gaming community platform for the Call of Duty Mobile ecosystem.
- Implemented **authentication**, **role-based access**, and core community features including profile customization, public feed, clan management, live chats, etc.
- Built an interactive **voting system** and created **ML model** to classify players based on their performance variables.

#### Technologies Used:

- Frontend:** Next.js (React, TypeScript), Tailwind CSS
- Backend:** Supabase (Backend-as-a-service)
- Database:** PostgreSQL (Supabase)
- Dev Tools:** Git & Github, ESLint & Prettier

#### Media Mart

Modern Web Development Project

#### (Using Pure HTML, CSS, JS, PHP)

- Media-Mart is a **no-framework** link-aggregation website built using pure HTML and CSS, with minimal PHP for server-side logic.
- Organized content into structured categories such as Movies, Games, APKs, News, and Music for improved usability and access everything in one place.
- Focused on clean markup, basic backend handling, and performance without relying on external libraries.

#### Technologies Used:

- Frontend:** HTML5, CSS, JavaScript
- Backend:** PHP
- Database:** MySQL
- Dev Tools:** VS Code, XAMPP

2014 - 2018

DIT/ Certificate in MSO  
Best Student in 2014/2015  
ESOFT Metro Campus,  
Ambalangoda

## TECHNICAL SKILLS

- **Programming Languages**  
C, C#, Java, JavaScript, TypeScript
- **Mobile App Development**  
Dart (Flutter), Kotlin
- **Web App Development**  
Next.js, Laravel, Java Spring Boot
- **Database Management**  
MySQL, Supabase (PostgreSQL),  
Firebase, MSSQL, SQLite

## PROFESSIONAL SKILLS

- System Design & Basic  
Architecture Thinking
- Client Oriented Solution  
Analysis
- Problem Solving & Debugging
- Self Learning & Project Based  
Development

## HOBBIES

- Gaming
- Watching Movies
- Explore & Learn New Things

## LANGUAGES

- Sinhala
- English

## CONTENT CREATION

- Owned CoD Niki YouTube Channel
- SEO Optimization, Video  
Editing Skills
- 690K+ Views in 81 Videos

### University Event Management System (Spring Boot - Backend)

ENTERPRISE APPLICATION  
DEVELOPMENT

- Designed and implemented a **RESTful backend system** to manage students, lecturers, administrators, academic batches, announcements, and student feedback.
- Followed a layered architecture using **controllers, services, DTOs, and repositories** to improve maintainability and scalability.
- Applied data validation, transactional services, and centralized exception handling to ensure data integrity and consistent API responses.

#### Technologies Used:

- **Backend:** Java Spring Boot
- **Database:** MySQL, Hibernate
- **Dev Tools:** IntelliJ Idea
- **Dependencies:** Spring Web, Data JPA, ModelMapper, Lombok

### Sprintify - Sprint Tracker Mobile App (Flutter + Arduino)

IOT PROJECT

- Developed a cross-platform **Flutter** application integrated with an **Arduino** based IoT device to track sprint and performance metrics in real time.
- Implemented **Firebase Authentication** and **Realtime Database** for secure user access and live data synchronization.
- Designed a responsive UI ensuring seamless functionality across different screen sizes while maintaining high performance.

#### Technologies Used:

- **Stack:** Flutter (Dart)
- **Hardware:** Arduino (C++)
- **Database:** Firebase Auth, Firebase Realtime Database
- **Dev Tools:** Android Studio, Arduino IDE

### Player Classification System (Python + Pandas)

ML Project

- Developed a **machine learning** model that generates a Player Performance Prediction Score (PPPS) based on gaming data. It automates the player classification system of Zifty ecosystem.
- It's primarily implemented in Python using **notebooks** and **pandas** library.

#### Technologies Used:

- **Core:** Python
- **Libraries:** Pandas, Numpy, Scikit-learn

## REFERENCE

Mrs.Asanthi Kurukulasuriya

Consultant/Lecturer(IT)  
NIBM University, Galle

Phone: (071) 835 9303  
Email: asanthi@nibm.lk

Mrs. T. Deshika De Silva

Head of Administration  
Cambridge Collage of British English

Phone: 0912252452  
Mobile: (071) 499 4455