# DILSHAN  SENANAYAKA
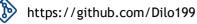
Out Final Undergraduate

## University of Sri Jayewardenepura.

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in Dilshan-senanayaka

https://github.com/Dilo199

portfolio

## SUMMARY

Final-year ICT undergraduate specializing in Software Engineering, with practical experience in backend development, SQL-based data handling, and modern web/mobile frameworks. Strong analytical thinker with a growing interest in Data Science, SQL query optimization, and database design.

## Work EXPERIENCE

Jun 2024 - December 2024

Sri Lanka Export Development Board, Colombo, Sri Lanka
(Intern – Software Development)

- Managed SQL databases for backend operations and improved query performance across Laravel-based systems.
- Wrote complex SQL queries for user data retrieval, reporting, and authentication modules.
- Handled backend logic for websites (e.g., actionplan.edb.gov.lk, wed.edb.gov.lk) using MySQL + Laravel.
- Integrated APIs and optimized SQL joins and indexing for faster report generation.
- Worked with **React Native** to build mobile interfaces, consuming SQL-backed REST APIs.

## EDUCATION

Bachelor of information and communication technology (BICT) Honors Degree (specialized in software technology)
University of Sri Jayewardenepura
2020 – 2025 (Waiting for the final semester results)

## PROJECTS

- **University Learning Management System App**
Built with Android Studio and Firebase, featuring student feedback management and lecturer responses. Structured course and feedback data as collections, simulating relational models. Designed efficient queries for real-time data retrieval and aggregation.

- **Greenhouse Automation App**

Developed a mobile app for full greenhouse automation with real-time environmental data capture and control of IoT devices. Used Firebase Realtime Database and integrated an ML model via API to adjust environmental parameters. Data-driven decision logic included sensor thresholds and control outputs.

- **Android Application for Sprinkles Bakery**

Used Firebase for managing order and user data. Handled structured inventory and sales data in tabular format, simulating SQL operations for filtering, summarizing, and reporting inside the app.

- **Android Application for Milk Shop Management**

Created with Android Studio, Java, and MySQL for local data storage. Implemented full CRUD operations for managing products, sales, customers, and reports.

## CERTIFICATIONS

DEVELOPMENT AND EVALUATION OF AN AUTOMATED STUDENT ATTENDANCE TRACKING SYSTEM USING FACIAL RECOGNITION TECHNOLOGY
INTERNATIONAL RESEARCH SYMPOSIUM - 2024 (IRS 2024-UOVT) DANT Perera, L.S. M. N. D. Senanayaka

## SKILLS

- JAVA
- Android Studio
- React js .
- AWS
- Docker
- IOT
- APIs
- GitHub
- SQL
- Postmen
- Firebase
- Apache Spark
- Google BigQuery
- DataRobot
- Redshift

## REFERENCE

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