# SULAKSHIKA GUNASEKARA

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## PROFILE

I specialized in full-stack development with experience in frontend and backend technologies. Passionate about problem-solving and continuous learning, I tackle complex challenges and drive innovation in Computer Science and Electronics.

## EDUCATION

### DEGREE PROGRAM

- BSc (Hons) in Electronics and Computer Science, specializing in Computer Science, University of Kelaniya
- Current GPA - 3.53

### PROGRAMING SKILLS

- Java
- JavaScript
- PHP
- HTML
- CSS
- C#
- React
- React Native
- Node.js
- Express.js
- Spring Boot
- MongoDB
- Firebase
- MySQL
- PostgreSQL
- AWS
- Git
- Figma
- Blender

### CERTIFICATIONS

- AWS Educate: Introduction to Cloud 101
- AWS Educate: Getting Started with Storage
- Microsoft Learn: Describe Cloud Computing
- HackerRank certified SQL (Basic)

## VOLUNTEERING

- Content Writing Team Member of ECS Club, University of Kelaniya, Sri Lanka.
- Worked as ER team member for the UOK Robot Battles, 2024.
- Secretary team member in IEEE student branch, UOK.
- Member of AWS community, University of Kelaniya, Sri Lanka.

## PERSONAL PROJECT EXPERIENCE

### Bicycle Sharing System

Technologies : Springboot, MongoDB, JWT, React, Bootstrap

- Enhanced a full-stack bike rental platform with user authentication, real-time bike tracking, and payment processing.
- Built an admin panel to manage bike inventory, station maintenance, and usage analytics.
- Integrated subscription plans and multi-station support to streamline urban mobility.

### E-Commerce Website

Technologies : HTML, CSS, JavaScript, PHP (PHPMyAdmin)

- Built a responsive e-commerce platform with product browsing, cart management, and user feedback.
- Executed secure checkout flow and dynamic product displays for a seamless shopping experience.
- Enhanced admin controls for inventory management using PHP and MySQL.

### Film Ticket Booking System

Technologies : Java, MySQL

- Enhanced a dual-interface system for customers (browsing films, showtimes, ticket booking) and admins (database management).
- Designed a MySQL database to store film details, show schedules, and customer bookings.
- Executed secure user authentication and streamlined ticket reservation flow.

### Learning Management System

Technologies :  NodeJs, ExpressJs, MongoDB, React, TailwindCSS

- Built a full-stack LMS platform with login with gmail facilty and   course creation, student enrollment, and progress tracking features.
- Enhanced an admin panel for user management and content organization to streamline the learning process.
- Executed responsive UI components using React and TailwindCSS for an interactive user experience.

### Boarding Place Finder App

Technologies : React Native, Firebase

- Created a mobile app for users to search and view boarding places by location using Google Map API's with detailed listings and photos.
- Enhanced a feature for property owners to manage availability and real-time update their boarding place details using Firebase.
- Integrated Firebase for real-time data storage and synchronization between users and owners using React Native.

### Smart Vehicle Parking System

Technologies :  React, React Native, Firebase, Arduino

- Built a smart parking solution using geolocation and QR codes to guide users to available spots.
- Executed automated gate control and dynamic registration for efficient space management.
- Integrated sensor data with a mobile app to provide real-time parking availability updates.

### Hardware Management System

Technologies :  C#, .NET Framework, Microsoft SQL Server Management System (SSMS)

- Enhanced a desktop application for hardware inventory tracking and category management.
- Executed billing and automated invoice generation to streamline sales processes.
- Designed a real-time analytics dashboard for inventory monitoring and reporting.

### Object Counter Circuit

### Temperature Control Automatic Switch

## REFEREES

**Name:** Dr. Aruna Ranaweera
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