

K.M.SUDESH SUDEERA

Full Stack Engineer

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SKILLS

Programming Languages

- Java
- JavaScript
- Html & CSS
- TypeScript
- SQL
- Python
- C++

Frameworks & Libraries

- Spring Boot
- Angular
- jQuery
- Bootstrap
- Hibernate

DBMS

- MySQL
- Firestore

Data Science & Machine Learning

- Pandas
- Scikit-learn
- Seaboarn (Plotting)
- Matplotlib (Plotting)

Tools

- Git
- GitHub
- Maven
- Postman
- Figma

Other Skills

- Data Structure
- Algorithm
- Computer Network

Soft Skills

- Self Learner
- Good communication skill
- Ability to work under pressure
- Fast Learner
- Flexibility
- Problem Solving
- Time Management
- Ability to work both in a team and alone

PROFILE

Highly motivated and skilled graduate engineer who loves to take new challenges and staying up-to-date with the latest technologies. I work hard to deliver quality work consistently on time, and I work well both independently and in a team. I am seeking an opportunity in order to improve my technical skills, learn new technologies, and have a career for achieving the target while developing the best performance in the organization.

WORK EXPERIENCES

Software Engineer - Trainee

01/2023 - Present

Developers Stack

Completed a 7-month training period as a trainee software engineer. I gained hands-on experience using various technologies including Java, JavaScript, TypeScript, Html & CSS, jQuery, MySQL, Git, GitHub, Maven, Spring MVC, Spring Boot, Hibernate, and Angular. I contributed to several business features and did some projects. I gained valuable experience in team management, effective communication, and other skills.

Electrical & Telecommunication Engineer - Intern

11/2022 - 04/2023

Royal Ceramics Lanka PLC

Involved in the maintenance activities such as breakdown maintenance, preventive maintenance, and network troubleshooting.

PROJECT EXPERIENCES

POS System Using Spring Boot

07/2023

<https://github.com/SudeshSudeera/POS-System-using-Spring-Boot>

This web application is a point-of-sale system that manages customers, products, and orders. Each user can have different roles like Admin, User, and Manager. And also each user has different authorities related to the roles. Any role cannot do another role's task. Spring security, authentications of users by using Jwt, RESTfull API, pagination, exception handling, and transactions management are used to design this project.

This project was created in Spring Boot framework and Spring Boot REST API testing is done by using Postman. Hibernate was used for object-relational mapping, Spring Security for authentications, and MySQL for database management.

Java | Spring Boot | RESTfull API | Hibernate | Spring Security (Jwt) | MySQL | JDBC | Postman | OOP

POS System for Supermarket System

05/2023

<https://github.com/SudeshSudeera/POS-System-Layered-Architecture>

This web application allows a supermarket system to manage customers, products, and orders. Every customer has a loyalty card and can save details related to the card. They were then grouped according to the quantity ordered and given discounts according to group type. When products are entered into the system, a QR code is generated for each product with QTY, discount, and price. When placing an order, the product details should pop up in the QR code window. QTY is kept with products and the total price after order entry. Each user must create an account and log into the system.

This project was created in Java language. JavaFX is used to create user interfaces and MySQL is for database management. This project was built based on layered architecture.

Java | MySQL | JavaFX | JDBC | Layered Architecture | OOP

INTERESTS

- Software-based Engineering Designing
- Programming
- Listening Music
- Video Games
- Machine Learning

EXTRA CURRICULAR ACTIVITIES

- A member of Rovers Club - SEUSL
- A member of IESL Young Member Section - SEUSL Branch

REFERENCES


Dr. P. M. K. Alahakoon

, Head of the Department, Dept. of Electrical & Telecommunication Engineering,
Faculty of Engineering - SEUSL
+94 71 8649622
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Eng. Y. Kishanthan

, Provincial Engineer, Network Operations,
Sri Lanka Telecom PLC
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kishanthan@slt.com.lk

Educational Institute Management System

 05/2023


 <https://github.com/SudeshSudeera/Education-Manage-System-MVC-Architecture>

This web application allows an institution to manage students, teachers, programs, and recruitment. Each student's unique ID and their details are available in the system. Each program has a unique ID and students can choose programs. Teachers are assigned to each program and students can enroll in any program with payment. All intake's details along with start dates and programs are saved in the system. Each user must create an account and login to the system.

This project was created in Java language. JavaFX is used to create user interfaces and MySQL is for database management. This project was built based on MVC architecture.

Java | MySQL | JavaFX | JDBC | MVC Architecture | OOP

Student Management System

 07/2023


 <https://github.com/SudeshSudeera/Student-Management-System>

This web application is a student management system that manages students, programs & registration process of a student with programs. Each student's unique ID and their details are available in the system. Each program has a unique ID and students can choose programs. All registration details along with registration dates, students, and programs are saved in the system.

This project was created in Java language. JavaFX is used to create user interfaces and Hibernate for object-relational mapping and MySQL for database management. This project was built based on layered architecture.

Java | Hibernate | MySQL | JavaFX | JDBC | Layered Architecture | OOP

Analysis of the Impact of Electrical Energy Use Due to Heatwaves Using Machine Learning

 10/2022

 <https://github.com/SudeshSudeera/Energy-Forecasting-Models>


This project is to build a predictive model using Support Vector Regression and Random Forest for future climate change scenarios with electricity energy usage. The objective of this project was to estimate accurate energy demand needed in the future with heatwaves and to find out how much additional energy is needed in the future with heatwaves.

Python | Scikit-learn | Pandas | Seaborn | matplotlib | Numpy | Matlab

EDUCATION

B.Sc Eng (Hons) in Electrical & Telecommunications Engineering - GPA: 3.36

South Eastern University of Sri Lanka

 11/2022 - 04/2023

DECLARATION

I do hereby declare that the above-furnished particulars are true and correct to the best of my knowledge and belief.

K.M.S.S. Bandara

Date: 2023/06/11