

# Anushka Madhushan Kulathunga

## Software Engineer

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🚩 Sri Lankan    📁 Portfolio    🔗 LinkedIn    🐙 GitHub

### EDUCATION

**BEng (Hons) in Software Engineering** 12/2021 – present  
*The Open University of Sri Lanka* Kurunegala, Sri Lanka

### PROFESSIONAL EXPERIENCE

**Software Engineer**  
*eArrow (Pvt) Ltd* 08/2023 – 08/2024  
Colombo, Sri Lanka

- Designed and developed dynamic web applications using **PHP**, **CodeIgniter**, **CSS**, and **HTML**, adhering to coding standards and best practices.
- Created intuitive user interfaces to enhance user satisfaction and improve usability.
- Collaborated with cross-functional teams to streamline design processes and ensure seamless delivery.
- Provided technical support to troubleshoot and resolve customer web application issues.
- Diagnosed and resolved application problems through rigorous testing and debugging.
- Participated in project planning, execution, and testing to deliver high-quality, reliable software

#### Key Achievements:

- Consistently delivered projects on time, meeting or exceeding client expectations.
- Enhanced user satisfaction through the development of user-centric features and interface improvements.
- Maintained high-quality code standards, resulting in error-free functionality and reliable applications.

**Associate Software Engineer** 02/2023 – 08/2023  
*eArrow (Pvt) Ltd* Colombo, Sri Lanka

- Developed **Student Management Systems (LMS)** using **Laravel** and **Bootstrap**, enabling efficient management of academic data.
- Built **Payroll Management Systems** with **CodeIgniter** and **jQuery**, improving operational efficiency.
- Designed and implemented user-friendly interfaces to streamline application usability.
- Collaborated with senior engineers on project planning, execution, and adherence to best practices.
- Performed comprehensive testing to identify and resolve bugs, ensuring reliable software delivery.
- Provided support and troubleshooting for web applications to meet client requirements and expectations.

#### Key Achievements:

- Contributed to meeting project deadlines and delivering high-quality solutions.
- Enhanced operational workflows through the design and development of custom management systems.

### SKILLS

Spring Boot	<div><div></div></div>	Spring Security	<div><div></div></div>
Angular	<div><div></div></div>	MySQL	<div><div></div></div>
Laravel	<div><div></div></div>	CodeIgniter	<div><div></div></div>
React	<div><div></div></div>	Node.js	<div><div></div></div>
Django	<div><div></div></div>	SQLite	<div><div></div></div>

## PROJECTS

### Inventory Management System

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- Developed a secure, scalable, and user-friendly inventory management system using **Spring Boot** (backend) and **Angular** (frontend).
- Implemented **JWT-based authentication** with Spring Security for robust user access control.
- Enhanced data security with **frontend encryption** using crypto-js.
- Designed relational databases in **MySQL** for efficiency and scalability.
- Built interactive dashboards and charts to visualize inventory metrics in real-time.
- Extensively tested APIs using **Postman**, ensuring reliability and performance.
- Applied modern design patterns for maintainable, high-quality code.

### Hotel Booking Management System

- Built a real-world hotel booking application using the **Laravel** framework.
- Integrated **PayPal REST API** for secure online payment processing.
- Designed and implemented a booking system to manage reservations efficiently.
- Demonstrated practical skills in backend development and third-party API integration.

### Full-Stack Blog Application

- Created a robust blog platform using **React**, **Redux**, **Node.js**, **Express**, and **MongoDB**.
- Developed a backend API with advanced functionalities and integrated it with a dynamic React frontend.
- Utilized modern development practices, including **React Hooks** and **async/await**.
- Conducted extensive API testing with **Postman** to ensure seamless client-server integration.

### Agency Website with Blogging Section

- Developed a fully **responsive agency website** with a dynamic blogging section and an intuitive **admin panel**.
- Integrated **Django ORM** to handle **CRUD operations** for efficient database management.
- Created a **rich-text blogging section** for easy content creation and editing.
- Implemented **user authentication** and an **admin panel** for content and user management.
- Configured **email notifications** using **Gmail** for user communications.
- Managed **static files** (CSS, JavaScript, images) for seamless frontend integration.
- **Deployed** the website on **PythonAnywhere** for global access.

## LANGUAGES

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English



Sinhala



## INTERESTS

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Exploring emerging technologies such as AI, machine learning, and blockchain.

Contributing to open-source projects and participating in developer communities.

Outdoor activities like hiking and running to maintain work-life balance.

## ADDITIONAL ACTIVITIES

### Senior Prefect Board

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- Demonstrated leadership and organizational skills by managing school events and student activities.

### Science Society Member

- Participated in academic competitions and organized science fairs, enhancing public speaking and collaboration skills.

### Cadet Team Member

Cultivated discipline and teamwork through active participation in cadet training and activities.

## REFERENCES

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**MR. SANDEEPA LOKUBARANIGE**, *Software Engineer*, Superloop Pvt Ltd  
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**MISS SHANNON DE SILVA**, *Lead QA*, Superloop Pvt Ltd  
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