DULAKSHA RAJASEKERA

I am a motivated and dedicated Software Engineering graduate with strong technical expertise and hands-on industry experience. I excel in full-stack development, automation tools, and collaborative problem-solving. My internship experience strengthened my ability to design solutions, streamline processes, and deliver high-quality software in real-world environments. I am committed to continuous learning, expanding my technical knowledge, and contributing effectively as a reliable team member in a dynamic work setting.

Contact

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Date of birth
October 29, 2001.

Linkedin
https://www.linkedin.com/in/dulaksha
-rajasekera/

Github
https://github.com/DKRajasekera

Portfolio
https://dkrajasekera.github.io/portf
olio/index.html

Expertise

- Proficient in Object-Oriented Programming (OOP) using Java.
- Experienced in web development with HTML, CSS, JavaScript, PHP, and MySQL, including API integration.
- Skilled in Node.js, Express, and MongoDB for backend development.
- Hands-on experience with Python, data analysis, and Jupyter Notebook.
- Experienced with Arduino and IoT-based hardware programming.
- Familiar with R programming for statistical analysis.
- Strong knowledge of Figma for UI/UX design and prototyping.
- Good understanding of Git, GitHub, and version control workflows.
- Able to work collaboratively with teams, gather requirements, and deliver efficient solutions.

WORK EXPERIENCE

Software Engineer - Arcadia Traders
Sep 2025 – Present

- Worked on a PHP-based stock management system.
- Fixed bugs and optimized system.
- performance. Implemented feature updates to improve usability.
- Handled deployments and ensured smooth system operations

Intern - Software Engineer Fortude (Pvt) Ltd (formerly Brandix i3)
Oct 2023 – Oct 2024

- Worked in the Brandix Digital Operations department as a Software Engineering Intern.
- Gained hands-on experience in both front-end and back-end development using technologies such as Nest.js, Angular, .NET, SQL, Git, GitHub, PostgreSQL, MySQL, Docker, and Visual Studio Code.
- Developed and deployed enterprise applications using Power Apps, Power Automate, and Power BI.
- Collaborated closely with functional consultants and team members to gather requirements, design solutions, and streamline business processes through automation.
- Involved in database management, including normalization, server setup, and user permission control.
- Engaged in troubleshooting, testing, and deployment of applications to live production environments.
- Participated in system design discussions, provided technical support, and continuously improved features based on user feedback.

PROJECTS

Smart Greenhouse Automation – IoT + Machine Learning (2025).
Built an intelligent greenhouse system that automates climate control using real-time sensor data and machine-learning predictions. Developed the complete IoT pipeline—from sensor calibration and ML model training to a fully responsive React dashboard—enabling users to monitor and control the environment seamlessly.
Tech: ESP32, Node.js, Python (scikit-learn), React.js, Firebase

PLM Color Automation Tool (2024).
Developed and deployed a business automation tool that eliminated repetitive manual tasks for daily operations. Worked closely with a functional consultant to gather requirements, design workflow logic, and deliver a production-ready solution that improved efficiency and accuracy.
Tech: Angular, Next.js

Skill Consultation Manager (2023).
Created a complete consultation management system enabling users to book appointments and view doctor availability in real time. Designed robust backend logic, class hierarchies, and an intuitive management dashboard for administrators.
Tech: Java, OOP Concepts

Cruise Ship Boarding System (2023).
Developed a feature-rich cabin booking and queue management system that allows users to reserve rooms, check availability, or join a waiting list when full. Implemented the full booking flow, queue logic, and user-friendly interface.
Tech: Java, OOP Concepts

Qonvo – Online Meeting Platform with ML (2022).
Engineered an online meeting platform integrating real-time communication with ML-based automation features. Designed the front-end UI, Firebase integrations, and machine-learning functionalities to enhance user interaction.
Tech: JavaScript, Python, Firebase

Soft skills

- **Teamwork**
- **Leadership**
- **Creative**
- **Problem Solving**
- **Time management**
- **Communications**
- **Adaptability**

Other Qualifications

- **Java Object-Oriented Programming**
- **Learn Java with Swing**
- **Learning Angular**

Language

- **Sinhala**
- **English**

Hometeq – E-Commerce Platform (2022).
Developed a functional online shopping system with account creation, product browsing, and shopping basket features. Handled front-end pages, database connectivity, and item management logic.
Tech: PHP, HTML, CSS, MySQL

Grade Maker – Grade Prediction System (2022).
Built a predictive tool that forecasts student grades based on input marks. Designed the core prediction algorithm and implemented validation to ensure accurate user inputs.
Tech: Python

EDUCATION

2021 -2025
BSC (HONS) in SOFTWARE ENGINEERING
Informatics Institute of Technology (IIT)
University of Westminster (UOW)

2020
St, Joseph's College Colombo 10
G.C.E ADVANCED LEVEL
Commerce Stream

2017
St, Joseph's College Colombo 10
G.C.E ORDINARY LEVEL

CERTIFICATIONS

- **(DITEC) Esoft Metro Campus.**

Completed a diploma covering essential IT skills, including software applications, networking basics, and programming fundamentals.

- **(PCM) SLIM.**

Earned a marketing certification focused on branding, consumer behavior, and strategic communication.

- **(PTE) YGC.**

Achieved English proficiency certification demonstrating strong skills in speaking, reading, writing, and listening.

EXTRA ACTIVITIES

- A member of IIT IEEE computer society.
- Participated in the Duothan 3.0
- Applied and participated to Microsoft imagine cup 2023.
- Applied and participated to Code sprint 7.0
- Participated in inter school junior achievers Sri Lanka as an IT Manager in the year 2020.

REFERENCE

- **Ms. Yomeshi Herath**
IT Project Coordinator,
RedBlocks Technologies Pvt
Phone : 0774542790
Email : yomeshi.h@gmail.com

- **Mr. Tharuka Koswatta**
Senior Software Engineer,
Fortude (Pvt) Ltd,
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Email : TharukaK@Fortude.co

I hereby certify that the above mentioned information furnished by me is true and accurate to the best of my knowledge.

Dulaksha Rajasekera