

Thakshi Rajapaksha

Gampaha | rajapakshatdrbv@gmail.com | +94 76 846 4389 | thakshi-rajapaksha-portfolio
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ABOUT ME

Motivated Computer Engineering fresh graduate with a strong foundation in full-stack development and data-driven solutions. Skilled in problem solving, team collaboration, and eager to contribute to impactful projects in dynamic tech environments.

EDUCATION

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| University of Sri Jayewardenepura , BSc Engineering (Hons) in Computer Engineering | 2021 – 2025 |
| <ul style="list-style-type: none">Minor: Data Management CGPA: 3.45/4.00 Rathnavali Balika Vidyalaya, Gampaha | 2010 – 2019 |
| <ul style="list-style-type: none">G.C.E. A/L (Physical Science): AABG.C.E. O/L: 9A | |

EXPERIENCE

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|---|---------------------|
| Intern Engineer , Creative Technology Solutions (PVT) LTD (Creative Software) | Apr 2024 – Oct 2024 |
| <ul style="list-style-type: none">Worked closely with the development team to test and debug web applications, improving system reliability and performance.Designed, implemented, and executed manual/automated test cases using tools such as Postman, Selenium, Cucumber Studio, JIRA, and Bamboo.Developed test scripts in Python, enhancing version control (Git), debugging, CI/CD pipeline integration, and documentation practices.Gained hands-on experience with the Software Development Lifecycle (SDLC) and Agile workflows. | |
| Data Processing and Analyzing Associate , Adelanka (PVT) LTD – 305 R. A. De Mel Mawatha, Colombo | Oct 2019 – Dec 2020 |
| <ul style="list-style-type: none">Involved in data processing and analysis by managing cue sheets attached to the production department.Ensured data accuracy and timely delivery to support production schedules. | |

PROJECTS AND RESEARCHES

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| Building a Data Lake Using Camera Footage (Final Year Project) | Nov 2024 – Jul 2025 |
| <ul style="list-style-type: none">Contributed to developing a scalable data lake for camera footage metadata processing and storage.Applied object detection techniques and researched custom dataset creation using Google Street View for accurate vehicle geo-localization.Tech Stack: Python, Flask, YOLO, ByteTrack, Swin Transformer, OpenCV, Supervision, PyTorch, Docker, Elasticsearch, Kibana, Spark, Hadoop, MinIO | |
| Attendance and Payroll System (Distributed Systems Project) | Mar 2025 – Jul 2025 |
| <ul style="list-style-type: none">Implemented Attendance service and designed PostgreSQL database schema.Contributed to microservices architecture by developing API Gateway and Service Discovery.Deployed application using Docker for containerization.Tech Stack: Java, Spring Boot, PostgreSQL, REST API, Postman (API Testing), NGINX (API Gateway), Eureka (Service Discovery), Docker | |
| Leave Management System Development | Apr 2025 – May 2025 |
| <ul style="list-style-type: none">Developed a Windows Forms-based leave management system with secure authentication and role-based access.Applied OOP principles for modularity and maintainability. | |

- **Tech Stack:** C#, .NET Framework (Windows Forms), SQL Server

Hospital Referral Management System Development

Apr 2024 – Oct 2024

- Designed and implemented a hospital referral system with secure API routes, patient and referral data management, and real-time notifications.
- Created an intuitive dashboard and presented with technical demo, architecture diagram, and documentation.
- **Tech Stack:** Next.js, TypeScript, Prisma ORM, MySQL, MinIO, Knock, TailwindCSS

Hope (Mobile Application)

Jul 2023 – Nov 2023

- Developed a secure social media platform connecting help seekers and donors for charity purposes.
- Contributed to frontend development, database handling, and messaging functionalities.
- **Tech Stack:** Flutter, Dart, Firebase Storage, Firestore, MySQL, Git, Figma

Aduwa (Mobile Application)

Jul 2023 – Nov 2023

- Developed a university food ordering application that recommends meals based on user preferences and availability.
- Integrated Google Maps API for location-based functionality.
- **Tech Stack:** Flutter, Dart, Python, MySQL, Google Cloud Platform, Firebase, Docker, Git

RELEVANT SKILLS

Programming Languages and Databases: C++, Python, C#, Java, Dart, HTML, CSS, TypeScript, SQL (MySQL, PostgreSQL, MS SQL Server)

Frameworks: React, Next.js, Spring Boot, Flutter, Flask, .NET, Selenium

Tools and Technologies: Google Cloud Platform, Firebase, WEKA, MATLAB, Git/GitHub, Figma, Docker, Postman, Bamboo

EXTRACURRICULAR ACTIVITIES

Aesthetic Activities: Dancing

Leadership: Senior Prefect (Rathnavali Balika Vidyalaya)

Member: Toastmasters Club (Siyane)

LANGUAGES

Sinhala: Native

English: Advanced

REFEREES

Dr. Udaya Wijenayake

Head of the Department

Department of Computer Engineering

Faculty of Engineering

University of Sri Jayawardenepura

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Mrs. E. A. Kushani Anuradha

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