

Thakshi Rajapaksha

Gampaha | rajapakshatdrbv@gmail.com | +94 76 846 4389 | thakshi-rajapaksha-portfolio
linkedin.com/in/thakshi-rajapaksha | github.com/ThakshiRajapaksha

ABOUT ME

Motivated Computer Engineering 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

University of Sri Jayewardenepura, BSc Engineering (Hons) in Computer Engineering 2021 – 2025

- Minor: Data Management | CGPA: 3.42/4.00

Rathnavali Balika Vidyalaya, Gampaha 2010 – 2019

- G.C.E. A/L (Physical Science): AAB
- G.C.E. O/L: 9A

EXPERIENCE

Intern Engineering, Creative Technology Solutions (PVT) LTD (Creative Software) Apr 2024 – Oct 2024

- 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 Oct 2019 – Dec 2020
Mawatha, Colombo

- 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

Building Data Lake Using Camera Footage (Final Year Project) Nov 2024 – Jul 2025

- 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 Mar 2025 – Jul 2025

- 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 Apr 2025 – May 2025

- 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

Medref (Web application)

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, Terraform, Firebase, WEKA, MATLAB, Git/GitHub, Figma, Docker, Postman, Bamboo, Linux, Wireshark

EXTRACURRICULAR ACTIVITIES

Leadership: Senior Prefect (Rathnavali Balika Vidyalaya)

Member: Toastmasters Club (Siyane)

Sports: Cricket, Badminton

CERTIFICATIONS AND COMPETITIONS

Python Programming (Beginner to Advanced): University of Moratuwa (CODL)

Supervised Machine Learning: Coursera | Stanford

AI/ML Engineer - Stage 1: SLIIT

Problem Solving (Basic): HackerRank

Real Hack 5.0 - JSquad: University of Kelaniya

Robofest - 2022: SLIIT

LANGUAGES

Sinhala: Native

English: Advanced

REFEREES

Dr. Udaya Wijenayake

Head of the Department

Department of Computer Engineering

Faculty of Engineering

University of Sri Jayawardenepura

udayaw@sjp.ac.lk | +94 76 46 55 928

Mrs. E. A. Kushani Anuradha

Quality Assurance Lead

Creative Software

413, R A De Mel Mawatha, Colombo

kushani@creativesoftware.com | +94 71 61 41 209