THAKSHI RAJAPAKSHA

COMPUTER ENGINEERING GRADUATE

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⊚ Gampaha, Sri Lanka

PROFILE

Motivated Computer Engineering fresh graduate with a strong foundation in software engineering and data engineering fields. Skilled in problem-solving, team collaboration, and eager to contribute to impactful projects in dynamic tech environments.

EDUCATION

BSc Engineering (Hons) (Computer) | University of Sri Jayewardenepura   2021 - Present
Minor: Data Management
CGPA: 3.45/4.00
Modules: Object Oriented Programming, Database systems, Software Engineering, Data Mining, Natural Language Processing, Information Security, Bioinformatics, Computer Vision, Advanced Algorithms, Cloud Computing, Distributed Systems

Rathnavali Balika Vidyalaya, Gampaha   2010 - 2019
G.C.E. A/L   (Physical Science - AAB)
G.C.E. O/L - 9A

PROFESSIONAL EXPERIENCE

Creative Technology Solutions (PVT) LTD (Creative Software)   April 2024 - Oct 2024
Intern Engineering
- Worked closely with the development team to test and debug web applications, making the system more reliable and fast.
- Designed, implemented, and executed manual/automated test cases and gained strong experience in tools (Postman, Selenium, Cucumber Studio, JIRA, and Bamboo).
- Developed test scripts in the Python programming language, which strengthened version control (Git), debugging, building test scripts in the CI/CD pipeline, and the documentation work of software engineering.
- Experienced exposure to the Software Development Lifecycle (SDLC) and the Agile workflows.

Adelanka (PVT) LTD | 305 R. A. De Mel Mawatha, Colombo   Oct 2019 - Dec 2020
Data Processing And Analyzing Associate
- Involved in data processing and analysis by managing cue sheets attached to the production department.

PROJECTS AND RESEARCHES

Building A Data Lake Using Camera Footage (Final Year Project)   Nov 2024 - Jul 2025
Tech Stack: *Python, Flask, YOLO, ByteTrack, Swin Transformer, OpenCV, Supervision, PyTorch, Docker, Elasticsearch, Kibana, Spark, Hadoop, MinIO*
- Contributed to developing a scalable data lake for camera footage metadata processing and storage, applied object detection techniques, and **researched** and created a custom dataset using Google Street View for accurate vehicle geo-localization.

Attendance and Payroll System (Distributed systems project)   March 2025 - Jul 2025
Tech Stack: *Java, Spring Boot, PostgreSQL, REST API, Postman (API testing), NGINX (API Gateway), Eureka (Service Discovery), Docker (Deployment)*
- Implemented Attendance service, designed PostgreSQL database schema, and contributed to microservices architecture by developing API gateway and service discovery, deploying application using Docker for containerization.

Leave Management System Development   April 2025 - May 2025

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

- Developed a Windows Forms-based leave management system using C# and SQL Server, enabling secure authentication and role-based access, and utilizing object-oriented programming principles for modularity and maintainability.

Hospital Referral Management System Development   April 2024 - Oct 2024

Tech Stack: *Next.js, TypeScript, Prisma ORM, MySQL, MinIO, Knock, TailwindCSS*

- The project involved designing a hospital referral system, implementing secure API routes, releasing patient and referral data, enabling real-time notifications, and creating an intuitive dashboard interface. The system was presented with a technical demo, architecture diagram, and documentation.

Hope (Mobile application)   Jul 2023 - Nov 2023

Tech Stack: *Flutter, Dart , Firebase storage , Firestore, MySQL, Git, Figma*

- A secure social media platform that connects help seekers and donors designed for charity purposes.
- Involved in frontend development, database handling, and messaging functionalities implementation.

Aduwa (Mobile application)   Jul 2023 - Nov 2023

Tech Stack: *Flutter, Dart, Python, MySQL, Google cloud platform, Firebase, Docker, Git*

- A university food ordering application that suggests foods as user preferences and availability.
- Involved in frontend development and Google maps API integration.

RELEVENT SKILLS

Programming Languages and Databases	Frameworks	Tools and Technologies	Soft Skills
C++, Python, C#, Java, Dart, HTML, CSS, TypeScript, SQL (MySQL, PostgreSQL, MS SQL Server)	React, Next, Springboot, Flutter, Flask, .NET, Selenium	Google Cloud Platform, Firebase, WEKA, MATLAB, Git/GitHub, Figma, Docker, Postman, Bamboo	Communication skills Attention to detail Team collaboration Quick learning & adaptability Problem solving & critical thinking Leadership skills

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EXTRACURRICULAR ACTIVITIES

Aesthetic Activities: Dancing

Leadership: Senior Prefect (Rathnavali Balika Vidyalaya)

Member: Toastmasters Club (Siyane)

CERTIFICATIONS AND COMPETITIONS

Python Programming (Beginner to Advanced) | University Of Moratuwa(CODL)   **Real Hack 5.0 - JSquad**

Supervised Machine Learning | Coursera |Stanford   University Of Kelaniya

AI/ML Engineer - stage 1 | SLIIT

Problem Solving (Basic) | HackerRank   **Robofest -2022** | SLIIT

LANGUAGES

Sinhala (Native)

English (Advanced)

REFEREES

Dr. Udaya Wijenayake

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