








Dhanika Weerasekara

Software Engineer | Undergraduate

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Profiles	<div><div> Dhanika Weerasekara</div><div> dhakiweere</div></div>			
Skills	<div><div>DevOps & Cloud</div><div>AWS EC2, ECR, S3, Lambda, Route 53, docker, Github Actions</div></div>	<div><div>Programming / Scripting</div><div>Java, Python, Bash Scripting</div></div>	<div><div>Front End</div><div>React Js, Anime Js, TailwindCSS, Javascript, HTML5, CSS3</div></div>	<div><div>Databases & ORM</div><div>MySQL, Postgre SQL, Hibernate</div></div>
Projects	<div><div><div>Reflex Ci / CD Pipeline</div><div>Full-Duplex CI/CD Pipeline Automation</div><div><div> Reflex Web App</div><ul style="list-style-type: none">Developed a bi-directional CI/CD pipeline where the hosted web application not only receives automated deployments from GitHub Actions but also pushes commits back to the repository, enabling a full-duplex workflow.Engineered automated build, test, and deployment processes using Docker and GitHub Actions, integrated with AWS ECR and EC2 for container management and hosting.Enhanced operational efficiency and reliability by automating environment resets, scheduled cleanups using Cron schedules & ECR Lifecycle Policies, and maintaining synchronized states between the deployed app and source repository.Github Repository - https://github.com/dhakiweere/reflex-ci-cd<div>GitHub Actions, AWS EC2, AWS ECR, Docker, Linux, Bash, YAML</div></div></div><div><div><div>Master Observer</div><div>File System Monitor with Real-Time Change Detection</div><ul style="list-style-type: none">Python tool for real-time file system monitoring & tracking metadataRecursive File Scanning: Automatically maps all files and metadata in the specified directory.Real-Time Monitoring: Continuously checks for changes in file metadata (e.g., file size, access times, and renames).Voice Alerts: Uses pyttsx3 for offline voice notifications whenever a file change is detected.Efficient and Offline: Fully functional without an internet connection, leveraging local resources.Github Repository - https://github.com/dhakiweere/master-observer<div>Python, pyttsx3</div></div></div><div><div><div>Console LAN Chat</div><div>CLI Chat Application for LAN Devices</div><ul style="list-style-type: none">Java-based console chat application for LAN communication using TCP/IP protocol.Dual Functionality: Single instance acts as both server and client.TCP/IP Protocol: Reliable communication over LAN.Server IP Broadcasting: Automatically broadcasts the server IP across the network for easy discovery.Github Repository - https://github.com/dhakiweere/lan-chat<div>Java, Java Socket, TCP/IP</div></div></div></div>			
Certifications	<div><div><div>LFS101: Introduction to Linux (Certification))</div><div>The Linux Foundation</div><div><div> https://www.credly.com/badges/6c154aa5-d2eb-427b-aff2-6b3b43059c49/public_url</div></div></div></div>			Sep 2025
	<div><div><div>Introduction to Cloud Computing (Online Course)</div><div>Simplylearn learning platform</div><div><div> https://simpli-web.app.link/e/ATWUgkQLIXb</div></div></div></div>			Sep 2025
	<div><div><div>Python Core (Online Course)</div><div>Sololearn</div><div><div> https://www.sololearn.com/certificates/CT-TC0H4LQW</div></div></div></div>			2022
Education	<div><div><div>Bsc(Hons) Software Engineering</div><div>Java Institute for Advanced Technology</div><div><div> https://www.javainstitute.edu.lk/</div></div></div></div>			March 2022 - Present
	<div><div><div>Level 5 Professional Higher Diploma in Software Engineering</div><div>UK Awards & Skills and education group awards</div></div></div>			2023 - 2024
	<div><div><div>Level 4 Professional Diploma in Software Engineering</div><div>UK Awards & Skills and education group awards</div></div></div>			2022 - 2023
	<div><div><div>Kingswood College</div><div>Primary, secondary</div></div></div>			2008 - 2021
Interests	<div><div>Game Development</div><div>Unity, Gadot, LWJGL</div></div>	<div><div>Cryptography</div><div>Hashing</div></div>	<div><div>Swimming</div></div>	