



# DULARA ABHIRANDA

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## PROFILE

Dynamic IT enthusiast specializing in DevOps, Cloud Security, and Networking, currently advancing through a Bachelor of Information and Communication Technology. Pursuing Cisco Certified Network Associate (CCNA) certification to strengthen networking expertise alongside cloud technologies. Hands-on experience with Azure, AWS, and Google Cloud, gained through labs, real-world projects, and active participation in cloud communities. Member of the AWS Cloud User Group in Sri Lanka and participant in Azure Student Ambassador sessions. Skilled in deploying and managing cloud-based solutions, implementing security best practices, and working with containerization tools like Docker. Passionate about automating infrastructure, optimizing cloud security, and leveraging DevOps methodologies to enhance system reliability and scalability. Dedicated to continuous learning, innovative problem-solving, and integrating networking principles into cloud environments.

## EDUCATION

- Bachelor of Information and Communication Technology specilized in Networking** Jun 2022 - Present  
*Faculty of Technology, University of Sri Jayewardanapura*
- Specialized in Networking Technology with a GPA of 3.41, focusing on networking concepts, design, and implementation, with hands-on experience in building and configuring networks.
- Cisco Certified Networking Academy** May 2024 - Present  
*Sri Lanka Institute of Information Technology (SLIIT)*
- Gaining in-depth knowledge of the updated curriculum, including network fundamentals, switching and routing concepts, network security, IPv4/IPv6 addressing, VLANs, WAN technologies, and network automation, with hands-on practice in configuring and troubleshooting real-world network scenarios.
- Advanced Level Examination 2020** 2018 - 2020  
*Ch/ Senanayake National College, Madampe*
- Achieved AAB in the Engineering Technology stream with a Z-Score of 2.44, securing 3rd place in the district and earning recognition on the island merit list.

## SKILL SUMMARY

- Cloud Platforms :** AWS, Azure, Google Cloud (GCP)  
**CI/CD Pipelines :** Jenkins, GitHub Actions  
**Version Control:** Git  
**Containerization & Orchestration:** Docker  
**Scripting & Automation:** Bash, Python, PowerShell  
**Networking & Security:** Basic Linux Networking, Firewalls  
**Agile & Collaboration:** Jira, Slack  
**Database Management:** MySQL, MongoDB  
**Programming Languages:** Python, Java  
**Languages:** English, Sinhala

## PROJECTS

- Mobile Application Development** CAREERPULSE(Group Project)
- Developed a mobile app for university students to find internships, allowing CV uploads, job preference selection, keyword analysis for CV improvement, and personalized internship recommendations via LinkedIn API integration.
  - Deployed the system on the cloud for scalability and accessibility.
  - Technologies Used: Flutter, Firebase, GPT APIs, Git, Azure.
- Smart Cafeteria Automation System** ARDUINO PROJECT(Group Project)
- Built an IoT-enabled cafeteria automation system, incorporating real-time communication for streamlined operations.
  - Technologies Used: IoT devices, Python.
- E-Commerce Website** CEYLOCCATION
- Designed an e-commerce platform for buying and selling event-related services and goods (e.g., weddings, birthdays, office parties), providing a comprehensive solution for event planning.
  - Technologies Used: React, MongoDB, AngularJS, Node.js.
- Cybersecurity Simulation Tool** CREEDSTROM
- Simulated DDoS-like attacks to test system resource limits and defense mechanisms.
  - Integrated an interactive defense challenge to halt the simulation.
  - Technologies Used: JavaScript, Electron, GitHub.
- Resume Keyword Extract ML Model** MACHINE LEARNING
- Created a machine learning model to extract and analyze keywords from resumes, identifying key skills and areas for improvement to optimize resume evaluation.
  - Technologies Used: Python, Kaggle Notebook.

CERTIFICATIONS

Cloud Computing

- Azure Fundamentals (SC-900) – Focused on security, compliance, and identity management in Azure.
- Microsoft 365 Copilot Learning Path – Explored AI integration within Microsoft 365.
- AWS Cloud Computing – Hands-on experience in setting up and managing Virtual Private Clouds (VPC) and generative AI applications.
- Create a Virtual Private Cloud (VPC) Using AWS (Coursera) – Deepened understanding of VPC networks, their advantages, and best practices.
- Introduction to Networking and Cloud Computing (Microsoft, Coursera) – Covered fundamental networking and cloud computing concepts.

CyberSecurity

- ISC2 Cybersecurity Certification (CC) – Covered five core domains of cybersecurity.
- Cisco Ethical Hacking – Gained foundational knowledge of ethical hacking practices.
- Introduction to Cybersecurity Tools and Cyberattacks (IBM) – Explored tools and techniques to identify and respond to cyber threats.
- Foundations of Cybersecurity (Google) – Focused on key concepts and principles of cybersecurity.

Software Engineering

- HackerRank Python (Basic) Certification – Validates foundational Python skills, including data types, loops, functions, and problem-solving.
- HackerRank Software Engineering Intern Certification – Strengthened skills in software development, problem-solving, and coding efficiency.
- Introduction to Generative AI - Art of the Possible (AWS Skill Builder) – Explored the role of generative AI in machine learning and its applications.

COMPETITIONS & ACHIEVEMENTS

- 2nd Runners-up in the SLIIT Codefest NetCom Competition, showcasing advanced network configuration skills and teamwork.
- Innovate with Ballerina Coding Challenge: Built a chat application using Ballerina, showcasing skills in real-time communication and collaborative problem-solving, organized by IEEE Student Branch of the University of Moratuwa and WSO2.
- Participated in the 10th Annual Cyber Security Summit 2024 CTF Challenge as part of Team Code Alphaz, showcasing teamwork and cybersecurity skills to tackle complex challenges.
- Finalist in the SLIIT Codefest CTF, demonstrating advanced problem-solving and cybersecurity expertise.

EXPERIENCE & VOLUNTEERING

<b>Vice President (Event Division)</b> <i>Information and Communication Technology Society</i> <ul style="list-style-type: none"><li>• Executed a series of engaging workshops that increased student participation by 40%, specifically targeting essential ICT competencies while fostering collaboration with local tech professionals for added insights.</li></ul>	<b>OCT 2024 - Present</b>
<b>Assistant Surveyor</b> <i>GLOBAL GIS PVT LTD. Nugegoda, Sri Lanka</i> <ul style="list-style-type: none"><li>• Gained professional organizational experience, mastering responsibility management and career-life balance. Contributed to accurate mapping and infrastructure projects through data analysis, while enhancing teamwork, communication, and deadline management skills.</li></ul>	<b>APR 2022 - MAY 2023</b>
<b>Event Coordinator</b> <i>Japura CryptX 1.0</i> <ul style="list-style-type: none"><li>• Work as event coordinator in Japura CryptX 1.0 organized by ICT societ in University of Sri jayewardenepura. Ine here execute three events Hackthon, CTF and Designathon for Sri Lankan University undergraduates</li></ul>	<b>DEC 2024 - FEB 2025</b>
<b>Member</b> <i>IEEE Student Branch, University of Sri Jayewardenepura</i> <ul style="list-style-type: none"><li>• Actively participated in IEEE activities, promoting technological innovation and professional growth while collaborating on technical projects and knowledge-sharing initiatives.</li></ul>	<b>MAY 2023 - Present</b>

REFERENCE

<b>Dr. Nalaka Lankasen</b> PhD, MCS(SL), MCIM(UK) Senior Lecturer Faculty of Technology University of Sri Jayewardenepura Mobile: +94777799856 Email: <a href="mailto:nalaka@sjp.ac.lk">nalaka@sjp.ac.lk</a>	<b>Dr. Himanshi Liyanage,</b> Ph.D. (AI) Lecturer & Researcher Department of Artificial Intelligence and Nonlinear Studies Faculty of Computer Science and Mathematics University of Łódź, Poland Mobile: +48 571 049 633 Email: <a href="mailto:himanshi@sjp.ac.lk">himanshi@sjp.ac.lk</a>
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