

Kalhara Batangala

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About Me

I am a final year Computer Engineering undergraduate with a strong foundation in System Administration and Cloud Computing. My expertise includes implementing cloud-based solutions using Azure and AWS, hosting and managing web applications, and optimizing IT systems for efficiency and reliability. I have hands-on experience with modern DevOps tools such as Azure DevOps and Jenkins.

Education

- BSc (Hons) Computer Engineering | University of Sri Jayewardenepura.
- GCE A/L | Kegalu Vidyalaya

Skills

Technical Skills:

Azure Cloud, AWS Cloud, Linux and System Administration, ELK stack, Zabbix, Docker, Kubernetes, Elastic Beanstalk, EKS, ECS, Node.js, Django, Flask, MongoDB, DynamoDB, Amazon RDS, AKS, Deep Learning with PyTorch, TensorFlow, Keras, ASP.NET Core, Apache, Calico.

Soft Skills:

Time management, critical thinking, problem solving, communication, teamwork, knowledge sharing, resource management, and adaptability to dynamic environments.

Experience

2024/06 - 2024/12

6 Months Internship in Sri Lanka Telecom PLC

- During my internship period, I was able to work in both **Azure and AWS** cloud environments. I had the opportunity to gain the experience in Amazon EC2, Elastic Beanstalk, Amazon ECS and hosting static sites with Amazon S3. Also worked with Kubernetes clusters and Managed Kubernetes clusters like AKS in Microsoft Azure.
- I have extensive experience working with Azure services, including Virtual Machines, App Service, Application Gateway, and Azure Kubernetes Service (AKS), among other tools, to enhance the functionality of SLT's digital platform workloads. I ensured high availability and consistent performance by following industry best practices and strictly adhering to industry-standard security measures.
- I also have experience in **System Administration**, where I monitored and troubleshooted systems in both Windows and Linux environments. I utilized observability tools such as Kibana, Elasticsearch, Zabbix and Logstash to ensure effective system monitoring and issue resolution. Additionally, I worked with virtualization technologies like VMware ESXi, focusing on delivering secure and reliable system performance.

Azure Administrator - AZ104

- Gained comprehensive knowledge of Azure administration, including managing resources, monitoring performance, implementing security features and cost analysis.

Tutoring on Cloud Services

- Conducted technical workshops at Sri Lanka Telecom - Digital platforms focusing on DevOps and Cloud Services emphasizing hands-on demonstrations.

Projects

Inpath university documentary tracking system, Software Engineering project

2023 - 01

- This is a web application that intended to ease the process of documentary work

in universities. I implemented the frontend and also engaged in machine learning part which predicts the performance of students according to current progress.

Augmented Reality Furniture App , Computer Engineering Project	2023 - 11
<ul style="list-style-type: none">• In this project, we used unity and GCP to develop the AR mobile app which ease the interior design process. I handled the floor detection and UI designing part.	
Brain Tumor Classification model - 92% Accuracy , Data management project	2024 - 01
<ul style="list-style-type: none">• Used Technologies : Python, Pytorch, React• Image Classification project using Pytorch - MRI Scan Images	
Book Store Project - MERN Stack , BookStore-Project	2024 - 04
<ul style="list-style-type: none">• This is a Node.js application developed on MERN stack technology. This web application is will help to keep the records of the all the books of libraries and retrieve them efficiently	
Image Classification using Deep Learning - VGG16 model , Image Classification	2025 - 03
<ul style="list-style-type: none">• This is an Image classification application developed using keras api and VGG16 model for dog classification.	
Static website hosted on Amazon S3 , Coffeeshop-Amazon S3	2025 - 03
React Application hosted on Azure App Service , Pedro's Pizzeria	2025 - 03
<ul style="list-style-type: none">• React application hosted on Azure App Service Free plan with Linux instances.	

Online Courses

AWS Educate Introduction to Cloud 101	2025
AWS Cloud Quest - Cloud Practitioner	2025
Introduction to Deep Learning for computer vision	2024
Machine Learning	2024
Unity and C# basics	2024
Introduction to image processing	2024

Volunteer

Vice President of CENSOC - FOE USJ 23/24

Coordinated and facilitated awareness sessions in collaboration with leading tech companies, enhancing the technical knowledge and skills of the university community.

Referees

Dr. Udaya Wijenayake

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