

SUREKHA PRABODHANI

Cloud Engineer Intern

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Profile

I am a dedicated Cloud Engineer with expertise in full-stack development and cloud infrastructure management. Skilled in automation, containerization, and infrastructure as code (IaC), I design scalable, secure cloud environments. My experience includes optimizing CI/CD pipelines for efficient development workflows and seamless deployments. Passionate about continuous learning and problem-solving, I focus on enhancing system performance, security, and scalability. I thrive in collaborative settings, effectively bridging the gap between development and operations to ensure smooth software delivery.

Experience

Intern-Information Communication Technology Technician

January 2022-July 2022

Exam Evaluation Division, Technical college, Beliatta

- Managed student exam results and assessments in databases.
- Assist educators and administrative staff with troubleshooting and resolving IT-related issues.
- Handled databases using MS Access for data entry, retrieval, and updates.

Education

B.Sc. (Honours) in Computing and Information Systems

Sabaragamuwa University of Sri Lanka

2022- present

Information Communication Technology Technician-NVQ Level 4

Technical college, Beliatta

2021-2022

G.C.E Advanced Level

Physical science stream

H/Getamanna vijaya N.C, Beliatta.

2020

Projects

Event Management System (Group Project)



A perfect event management system designed to facilitate the scheduling and tracking of campus events.

My contributions

- Event Management: Create, edit, and delete events; manage schedules and track upcoming and past events.
- User Roles: Register users, manage profiles, and assign roles with permissions.
- Real-Time Notifications: Receive alerts for event updates and status changes.
- Collaboration: Facilitate communication and sharing of event details among organizers and participants.
- Data Reporting: Generate interactive reports and visualize event data.

JavaScript PHP Blade MYSQL

Fruit Guard Mobile App-ongoing (Individual Project)



FruitGuard is an AI-powered application designed to assist farmers and fruit growers by identifying and diagnosing fruit diseases through image capture. The app leverages artificial intelligence to provide accurate disease diagnosis and offers personalized management practices, real-time alerts, and expert advice, ensuring that crops remain healthy and productive.

Key Features

- AI-Powered Disease Diagnosis: Capture and analyze fruit images for precise disease detection.
- Real-Time Predictive Alerts: Weather-based alerts and early warnings for disease outbreaks.
- AI Chatbot: Instant assistance and query resolution.

MERN Stack

Designed to streamline the process of scheduling and managing doctor appointments. Also, provides a modern and efficient solution for both healthcare providers and patients.

My contributions

- Design the UX/UI prototype
- Developed frontend user interface with reactjs.
- Designed and develop the backend authentication, controls, middleware and the data schemas and data storage system using MYSQL.

React Nodejs MYSQL LoopBack.io

EquipZone -ongoing (Group Project)

A web application designed for Managing sports equipment effectively for ensuring that resources are optimally utilized and maintained in the sports center of Sabaragamuwa University of Sri Lanka.


React Python FastAPI TestNG Vercel

Certifications

- HackerRank Software Engineering Certificate
- Microsoft Learn Student Ambassadors - Sri Lanka
Azure AI Fundamentals
- HackerRank Java Certificate
- Certification of ICT Technician NVQ Level 4
- Cloud Computing & Wireless Networking Cloud Computing & Wireless Networking Certification on LinkedIn

Volunteering

IEEE INSL Sabaragamuwa Province Secretary Lead

 June 2024 - present
Society of Computer Sciences
Active Member

 2022 - present

IEEE Student Branch of SUSL

Active volunteer
 2022 - present

IEEE WIE Student Branch Affinity Group of SUSL

Active Volunteer
 2022 - present

Technical-Skills

Programming Languages: C, HTML, CSS, JavaScript, Java, PHP,Python

Frameworks and libraries: ReactJs, Bootstrap,Laravel,JQuery,Material-UI

Databases: MySQL, MongoDB

Technologies and Tools: GitHub, Figma,Trello,Jira

Cloud Platform: Basic familiarity with Azure services

Networking: Basic networking concepts and protocols (TCP/IP, DNS)

Containerization: Docker

CI/CD Tools: Jenkins (learning)

Windows Administration

Soft-Skills

Teamwork	Adaptability
Leadership	Problem-Solving
Decision making	
Communication	

References

Mr. Nadun Amarasekara, Associate software Engineer, Spera Labs, no.525, union place, colombo 2, nadungatamanna@gmail.com , +94 71 545 0182	Miss.Miuli kalubowila, Founder/Chief Executive Officer Generation ALPHA (PVT) Ltd, Miulik@generationalpha.site , +94767090757
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