

Lakith Randula

Full Stack Developer | AI/Data Science Enthusiast

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PROFILE

A motivated and responsible Computer Science undergraduate with **2+ years of experience** in **front-end and back end development, UI/UX Design** and a passion for **data science**. Seeking an internship to apply my expertise in **Frontend, Backend development**. Proven ability to develop scalable applications, contribute to **AI-powered solutions**, and collaborate effectively on **client projects** with **multiple achievements** in tech competitions.

EDUCATION

BSc (Hons) in Computer Science | Undergraduate - 3rd Year 2022 – present

University of Kelaniya

- Following Data Science Specialization | Current GPA : 3.70

G.C.E A/L Examination 2017 – 2020

St. Aloysius' College, Galle

- Physical Science Stream | 1A and 2B | Z-Score: 1.5503

PROFESSIONAL EXPERIENCE

Part Time Web Developer 2023 – present

Sonulo (PVT) Ltd

Part Time WordPress Developer 2021 – 2023

WebdevKing Team

- **Lanka Easy News (Client Project)** : Developed 100% responsive daily news publishing website, using WordPress.
- **Portfolio Site (Client Project)** : Built a 100% responsive portfolio website of a software engineer, using WordPress.

PROJECTS

SappierLanka Tours (Client Project) 🌐

- **Ongoing Project** - 100% responsive local tourism website for "SappierLanka Tours" travel agency, including **12+ tour packages** and 5+ articles. Used React and Tailwind CSS.

ViewMO (Research Platform) 🌐

- Built an AI-powered research platform integrating **4+ AI tools** (ChatBot, MCQ-Bot, Research Pal, AI Visualizer) using **Next.js, LangChain, FastAPI**, hosted on **GCP**, utilizing **Cloud PostgreSQL** for data management and improving research efficiency.

Mental Health Chat Bot 🌐

- Engineered an AI powered knowledge based mental health **consultant** with **real-time therapist mapping**, offers access to 100+ mental health resources to achieve a better **response accuracy**, using **Next.js, LLM, FastAPI, and Vector DB**.

Quiz Cast (Quiz Competition Platform) 🌐

- Designed a quiz platform with 100% **real-time features, authentication**, and live leaderboards, quiz hosting, and participant interactions using **Next.js and FastAPI**, ensuring seamless performance on **Vercel**(frontend) and **Azure**(backend).

Parking Management System 🌐

- Implemented a **parking slot assignment** system with visualizing the **real-time changes on the map**, reducing **manual allocation time by 60%**, using **.NET, Guna UI, and MySQL**.

E-Commerce Platform (Shoppers) 🌐

- Developed a scalable **e-commerce platform** with a **Stripe payment gateway**, including 15+ products handling **transactions**, using **TypeScript, Sanity, Tailwind CSS, and Firebase**.

REST API Deployment - CI/CD Pipeline & AWS EC2

- Designed a **scalable REST API** with **99.9% uptime**, integrating *CRUD operations* for user management, using **Node Js** and **MongoDB**, deployed via **GitHub Actions**, **CI/CD Pipeline**, and **AWS EC2**.

SKILLS

Languages: Java, Python, Javascript, Typescript, C, HTML, CSS, C#

Frontend: React JS, Next JS, Vue Js, vite, jquery, Tailwind CSS, Bootstrap, WordPress

Backend: Node JS, Express JS, Springboot, Fast API, .net, Laravel

Databases: PL/SQL, MySQL, Firebase, PostgreSQL, MongoDB

Tools: Figma, Github, Postman, VS Code, Visual Studio, intelij, PyCharm, Anaconda, Colab, Jupyter Notebook, AWS, Vercel, Docker

Soft Skills: Management Skills, Graphic Designing, Creativity, Communication, Team Work, Critical Thinking, Problem Solving, Leadership

CERTIFICATIONS

- Cousera**

 - Getting Started with Git and GitHub
 - AWS Cloud Technical Essentials
 - Migrating to the AWS Cloud
 - Architecting Solutions on AWS
 - Developing Back-End Apps with Node.js and Express
- Full Stack Developer - UoM**

 - Front - End Web Development
 - Web Development For Beginners
- IBM Developer Skills Network**

 - Data Analysis with Python
 - Machine Learning with Python
- edX**

 - Deep Learning with Keras
 - Deep Learning with Tensorflow
 - AI for Everyone: Master the Basics

ACHIEVEMENTS

- IntelliHack NextGen 2024 | IEEE CS Chapter of UCSC - Champions (1st Place)**
Member of Team Vertex
- IEEEXtreme 18.0 - Rank (University: 1st / Sri Lanka: 13th / Global: 255)**
Member of Team Vertex
- GENESIZ '24 - ERIC of KDU : First Runners Up (2nd Place)**
Member of Team Vertex
- Junior Hack 2023 - University of Kelaniya - First Runners Up (2nd Place)**
Member of Team Vertex
- TechX AI Ideathon 2023 - IEEE CS Chapter - Finalist (Final 10)**
Member of Team Vertex
- Inovation Nation Sri Lanka 2022 - IEEE CS Chapter - Finalist (Final 10)**
Member of Codz1.0

LANGUAGES

- English
- Sinhala (Native)

INTERESTS

- Full Stack Development
- UI/UX Design
- Data Science
- Artificial Intelligence
- Machine Learning

PERSONALITIES

Webmaster - Executive Board of IEEE Student Branch <i>CS Chapter - University of Kelaniya</i>	2024 – present
Member of IEEE Student Branch <i>CS Chapter - University of Kelaniya</i>	2023 – present
Member of Computer Science Students' Association <i>University of Kelaniya</i>	2022 – present
Volunteers of the Month - November <i>IEEE Student Branch</i>	11/2024
Member of FOSS Community <i>CS Chapter - University of Kelaniya</i>	2023 – 2024