# Lakith Randula

## Full Stack Developer | AI/Data Science Enthusiast

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## PROFILE

Computer Science undergraduate, specializing in Data Science. Experienced in building scalable **full-stack** applications with efficient **database management** and seamless **UI/UX design.** Passionate about AI-powered solutions and data-driven development.

Proven track record in **client projects** and multiple tech **competition wins**. Strong problem-solving and teamwork skills, eager to apply my experiences in innovative real-world applications. Seeking an **full stack development internship** to gain industry experience.

## 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, icluding **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,*** *h*osted 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** — 2024 – present
*CS Chapter - University of Kelaniya*

**Member of IEEE Student Branch** — 2023 – present
*CS Chapter - University of Kelaniya*

**Member of Computer Science Students' Association** — 2022 – present
*University of Kelaniya*

**Volunteers of the Month - November** — 11/2024
*IEEE Student Branch*

**Member of FOSS Community** — 2023 – 2024
*CS Chapter - University of Kelaniya*