Randika Karanayaka

Full-Stack Developer

📍 575/40, Araliya Uyana, Horampella, Minuwangoda ✉ randikaheshan183@gmail.com 📞 +94701048274 🔗 Porfolio

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PROFILE

Motivated and detail-oriented Software Engineering undergraduate eager to gain hands-on experience in a professional environment. Passionate about full-stack development with modern technologies, problem-solving, and collaborating with teams to develop innovative solutions. Adapts and quick to grasp new concepts & thrives in dynamic environments while making meaningful contributions. Committed to continuous learning and professional growth, ready to take on new challenges and drive impactful results as an intern.

EDUCATION

Bachelor of Science Honours in Software Engineering, *CINEC Campus, Malabe, Sri Lanka*   October 2022 – present
GPA: 3.69/4.0 (Last Semester: 4.0)

GCE Advanced Level, *Rahula College, Matara, Sri Lanka*   2018 – 2020
Physical Science stream (Passed)

PROJECTS

Smart Apparel Management System, *3rd Year Group Project (Ongoing)*
- Developing a MERN stack-based web application to digitize inventory, streamline orders, and track production for SARADA Print & Apparel.
- Implementing AI-driven fabric-cutting optimization to reduce material waste and improve efficiency.
- Building a real-time tracking system with event-driven updates for seamless production monitoring.
- Designing an interactive T-shirt customization tool for personalized ordering.

   Tech Stack: React.js, Node.js, Express.js, MongoDB, TensorFlow, Konva.js, Docker, AWS/Azure, Figma (for UI/UX)

Volunteer Web Application, *2nd Year Group Project*
- Developed a web platform for volunteer coordination and charity event management, improving resource distribution and event transparency.
- Implemented user authentication, admin-controlled approvals, and categorized event listings for better security and usability.

   Technology Stack: HTML, CSS, JavaScript, PHP, MySQL, Figma (for UI/UX)

Hotel Booking System, *Group Project*
- Designed and optimized a hotel booking system to improve performance, user experience, and scalability.
- Implemented key features such as room reservations, user authentication, and a dynamic pricing model.

   Tech Stack: Java, MySQL

Online Shopping Website, *(Ongoing)*
- Developing a functional online shopping platform where users can sign up, log in, search for items, add to cart, place orders, make purchases, and rate products.

   Tech Stack: HTML, CSS, JavaScript, PHP, MySQL

Portfolio Website
- Developed a personal portfolio to showcase my projects, skills, and experience, featuring a responsive and modern design for optimal performance and accessibility.

   Technology Stack: TypeScript, Next.js & Tailwind CSS

SKILLS

Languages: JavaScript, TypeScript, Java, PHP, SQL

Frontend: React.js, Next.js, Tailwind CSS, HTML, CSS

Backend: Node.js, Express.js, Firebase, REST APIs

Databases: MySQL, MongoDB

Version Control & Workflow: Git, GitHub, ESLint, Turbopack, npm

Development Methodology: Agile

Other: UI/UX Designing

Software & Tools: Visual Studio Code, IntelliJ, NetBeans, phpMyAdmin, Trello, Postman API, Figma

COURSES

Backend Development and API Creation, *Coursera*	March 2025 – present
Master Machine Learning in Python, *Great Learning*	February 2025 – present
MERN Stack Front to Back (Specialization), *Coursera*	February 2025 – present

ORGANISATIONS

Students' Medical Unit, CINEC Campus, *Media Coordinator*	2024 – present
Tech Strike Club, CINEC Campus, *Member*	2023 – present
Athletics Team, Rahula College, *Former Athlete*	2013 – 2015

LANGUAGES

English

Sinhala

REFERENCES

Mrs. Suranji Nadeeshani, *Associate Dean / Senior Lecturer,* Faculty of Computing, CINEC Campus
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Mrs. Maduwanthi Uthpala, *Head of Department / Senior Lecturer,* Faculty of Computing, CINEC Campus
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