Randika Karanayaka

Full-Stack Developer Intern

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

in Randika Karanayaka   ⓞ mdhrk2001

PROFILE

Motivated and detail-oriented Software Engineering undergraduate eager to gain hands-on experience in a professional environment. Passionate about web 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: 3.55/4.0 (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)

Online Bookshop API
- Built a secure user system with JWT authentication login, encrypted passwords, email verification, and profile management.
- Connected to the Google Books API to display searchable, filterable book data in real time.
- Developed shopping cart and checkout features with invoice printing and RESTful APIs for core operations.

  Technologies: React.js, Node.js, Express.js, MongoDB, Google Books API, JSON

Dev Connector API
- Designed and built a secure backend API for a developer social network.
- Applied JWT-based authentication, profile management, and protected routes.
- Structured for scalability with modular Express routing and MongoDB integration.

  Tech Stack: Node.js, Express.js, MongoDB, Mongoose, JWT(JSON Web Token), bcrypt, Validator

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, Redux, 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

Master Machine Learning in Python, *Great Learning* — February 2025 – present

MERN Stack Front to Back (Specialization), *Coursera* — February 2025 – present

Backend Development and API Creation, *Coursera* — March 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
suranji@cinec.edu, +94 77 986 6879

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