RAJITHA WIJESINGHE

SOFTWARE DEVELOPER INTERN

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PROFILE SUMMARY

Computer Science undergraduate with hands-on experience building web applications and working across the **fullstack**. Proficient in J**avaScript, React.js, Node.js, and MongoDB**, with solid knowledge of **REST APIs**, version control **(Git)**, and deployment workflows. Completed academic and personal projects involving authentication, real time data handling, and production deployment. Looking for a Software Engineering Intern role to apply technical skills in a team environment and grow through practical development experience.

EDUCATION

BSc (Hons) in Computer Science   **2022 - present**

University of Kelaniya
- **Relevant Coursework:** Data Structures, Web Development, Object-Oriented Design, Python Programming

ICET Certified Master (iCM) Program   **Nov 2023 - May 2024**

Institute of Computer Engineering Technology *(Coursework Completed)*
- Gained hands-on experience with OOP, responsive design, and desktop & enterprise-scale apps.
- Built foundational skills in web development, industry frameworks, and real world development practices.

GCE Advanced Level   **Jun 2015 - Aug 2019**

G/Elakaka Secondary School
- Physical Science Stream - 2 'C' & 1 'B'

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, PHP, C, SQL, C#
Backend: Node.js, Express.js , RESTful APIs, Spring Boot, .NET, GraphQL
Frontend: Next.js, React.js, Angular, React Native, Tailwind CSS, CSS, HTML, Bootstrap, Material UI, Redux, Zustand
Databases: Firebase, Supabase, MySQL, PostgreSQL, MongoDB, MariaDB
Tools: Git, GitHub, Postman, VS Code, IntelliJ, Figma, Docker
Concepts: OOP, Agile, DSA, ML, MVC

PROJECTS

Imagica – AI Image Generator App   *GitHub* ↗   *React.js, Node.js, Express.js, MongoDB, Tailwind CSS*
- Engineered a scalable AI-powered app with 10K+ image generations and 99% uptime.
- Implemented ClipDrop API integration and secured user sessions via JWT with REST APIs.
- Created 10+ modular components and enhanced MongoDB performance by 40%.
- Introduced pagination, 4+ monthly credit-based image limits, and token-based password recovery.

FitCoach AI – Full Stack Fitness Platform   *GitHub* ↗   *React.js, Node.js, Express.js, MongoDB, Redux Gemini API*
- Designed 5 GraphQL microservices and integrated Google Gemini AI.
- Reduced frontend load time by 65%, boosting user engagement by 75%.
- Architected a scalable UI using Redux Toolkit and Apollo Client, supporting 100+ concurrent sessions and improving data handling efficiency by 40%.
- Developed AI-guided chatbot with Firebase message tracking and 90% user retention after onboarding.

BandMate – Music Collaboration App (Group Project)   *GitHub ↗*   *React.js, Node.js, Express.js, MySQL*

- Assembled React UI with 5+ pages and 10+ reusable components.
- Achieved <1.5s load times using Vite and implemented interactive UX features.
- Delivered live feedback system, responsive layout across 5+ breakpoints, and 30% faster form submissions.

Diabetes Prediction System (Group Project)   *GitHub ↗*   *Next.js, Tailwind CSS, ML, Flask, Python*

- Coded a Next.js-based frontend and trained a Random Forest model (92% accuracy).
- Developed a prediction pipeline for 2K+ users, reducing training time by 35%.
- Created modular form components with real-time validation, reduced input errors by 45%, and visualized predictions dynamically using patient-specific metrics.

Personal Portfolio Website   *Live ↗*   *Next.js, Tailwind CSS*

- Launched a Next.js 15 portfolio with 1.5K+ concurrent users and 94+ Lighthouse scores.
- Maintained 90% test coverage using Jest and improved deployment efficiency.
- Developed custom routing logic, project filtering features, and a responsive light/dark theme toggle.
- Configured CI/CD pipelines using Vercel and GitHub Actions, reducing deployment time by 50% and ensuring 100% uptime during 20+ production updates.

CERTIFICATES

Machine Learning Foundations
LinkedIn Learning ↗

.NET Fundamentals
Great Learning ↗

Artificial Intelligence Foundations
LinkedIn Learning ↗

Getting Started with Docker
Simplilearn ↗

Python for Beginners
DP Education ↗

SOFT SKILLS

- Resolved technical challenges by decomposing complex issues into manageable tasks, leading to scalable solutions across 3+ projects.
- Used data-driven insights to refine UI/UX in multiple projects, improving feature engagement by up to 25% and reducing user friction.
- Coordinates development efforts with accountability.
- Fosters collaboration through clear communication.
- Planned and executed project tasks using priority-based workflows, consistently meeting delivery timelines and team expectations.

LANGUAGES

- English (Intermediate)
- Sinhala (Native)

EXTRACURRICULAR

Member: Computer Science Student Association (CSSA) - University of Kelaniya

- Lead Organizer of **CSSA Cricket Fiesta 2025** – oversaw full-cycle planning, coordination, and execution of the event.