



RAJITHA WIJESINGHE

FULL STACK DEVELOPER

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PROFILE SUMMARY

Computer Science undergraduate specializing in Artificial Intelligence with hands-on experience in building full stack and mobile applications. Skilled in React.js, React Native, Node.js, and MongoDB, with strong understanding of REST APIs, Redux, and microservice-based architecture. Developed and deployed production-ready SaaS applications with optimized performance, real-time features, and secure user authentication. Experienced in team-based development environments using Git, Agile practices, and CI/CD workflows. Seeking an internship as a Fullstack Developer Intern or Mobile App Developer Intern to contribute to real-world software solutions and deepen technical expertise.

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, GraphQL

Frontend: Next.js, React.js, React Native, Tailwind CSS, CSS, HTML, Bootstrap, Material UI, Redux, Zustand

Databases: Firebase, MySQL, PostgreSQL, MongoDB

Tools: Git, GitHub, Postman, VS Code, IntelliJ, Figma

Concepts: OOP, Agile, DSA, ML, MVC

PROJECTS

Imagica – AI Image Generator App [GitHub](#)

React, Node, Express, MongoDB, Tailwind, Clipdrop API

- 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 20+ modular components and enhanced MongoDB performance by 40%.
- Introduced pagination, 200+ monthly credit-based image limits, and token-based password recovery.

FitCoach AI – Full Stack Fitness Platform [GitHub](#)

React, Node, Express, 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.

- Assembled React UI with 15+ pages and 25+ 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.

- 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, reducing input errors by 45%, and visualized predictions dynamically using patient-specific metrics

- 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

- Built a cross-platform social app using React Native and TypeScript with 95% code reusability.
- Engineered backend with Convex to support 5K+ real-time post and comment syncs with minimal latency.
- Integrated Clerk for secure auth and optimized performance for 40% faster load times.

CERTIFICATES

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|--|---|---|
| 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

- Solves technical challenges by breaking down complex problems and applying practical, scalable solutions
- Applies data analysis to inform design choices and improve product decisions, enhancing feature performance and usability.
- 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
- Sinhala

EXTRACURRICULAR

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