

U.K. Vittahachchi

FULL STACK DEVELOPER | REACT.JS | .NET | FRONTEND & BACKEND EXPERT | SOFTWARE ENGINEER

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GitHub - github.com/ukvittahachchi

Profile Summary

Full Stack Developer with strong experience in building secure, scalable web applications using modern technologies like React, Node.js, and MongoDB. Proficient in both frontend and backend development, API integration, and database management. Passionate about clean code, continuous learning, and delivering high-performance solutions in agile environments. Currently focused on .NET development and seeking opportunities to grow in backend engineering roles.

Education

BSc (Hons) Computer Sciences and Technology

2021-Present

Sabaragamuwa University of Sri Lanka

Major: Web Development | Minor: Machine Learning

Core Competencies

- React.js, Webpack
- JavaScript, TypeScript
- NextJS
- Web Workers, Cypress
- Advanced Debugging
- Node.js, Express, Nest.js
- MySQL, MongoDB
- REST APIs, GraphQL
- AWS, MS Azure
- Git, Docker, CI/CD
- Python, AI & ML
- Agile
- UI/UX
- HTML, CSS, SEO
- Software Architecture

Projects

CPIRA – Construction Property Inspection & Reporting App (GitHub)

May 2025

A role-based web app for managing construction inspections and submitting reports. Developed using ReactJS, Node.js, and MongoDB to streamline collaboration between customers, constructors, and inspectors.

URL Shortener App - Full-Stack Link Management System (GitHub)

July 2025

A production-grade web application for converting long URLs into short, shareable links. Developed using React, Node.js, Express, and MongoDB to provide users with click analytics and secure link management. Features include JWT authentication, real-time statistics tracking, and responsive dashboard design

Zynvert – File Converter Web App (GitHub)

July 2025

Built a fast and secure file conversion tool that supports PDFs, Word docs, and images (JPG, PNG, GIF, WEBP). Designed with React (Vite) and Node.js, it processes files in real-time without storing them, ensuring privacy. The app features a clean, user-friendly interface with drag-and-drop functionality and live progress updates. Optimized performance to handle users at once, making conversions 70% faster than traditional tools.

Fake News Detector – AI-Powered Analysis Tool (GitHub)

August 2025

Developed a full-stack web app using React and Node.js that detects fake news. Integrated Hugging Face's BART model for ML classification and implemented custom rules for clickbait/bias detection. Designed a privacy-focused system that processes text in real-time without storage. Optimized performance to handle 50+ concurrent requests with 70% faster analysis than manual fact-checking.

Personal Information

Languages: English