MONAL KAVITHRA

(Y.M.K. Wickramasinghe)

Portfolio | LinkedIn | GitHub

Avissawella, Sri Lanka

monalwickramasinghe@gmail.com

Mobile: +94 711446584

PROFESSIONAL SUMMARY

Passionate and driven Information Technology undergraduate with hands-on experience in full-stack web development, mobile app development, and AI integrations. Proficient in JavaScript, Java, Python, and web technologies like React.js, Next.js, and Node.js. Demonstrated ability to build and deploy functional applications, including real-time chat systems, e-commerce platforms, and AI-driven tools. Eager to apply problem-solving skills, a strong understanding of software engineering principles, and a commitment to continuous learning in a fast-paced, collaborative internship environment.

EDUCATION

BSc (Hons) in Information Technology

Sri Lanka Institute of Information Technology

June 2023 - Present

Malabe, Sri Lanka

- **Specialized Coursework:** Human Computer Interaction, Information Security and Assurance, Data Science and Analytics, Database Management Systems, Web Technologies
- **Technical Expertise:** Object-Oriented Programming (Java), Modern JavaScript Development, Java/ Python Programming, Data Structures and Algorithms
- **Practical Experience:** Multiple team-based software development projects with industry-standard tools and practices

TECHNICAL PROJECTS & DEVELOPMENT EXPERIENCE

Chat Application – Full-Stack MERN Application

MongoDB, Express.js, React.js, Node.js, Socket.io, JWT, Tailwind CSS, DASI UI

- Developed a real-time messaging platform with private chat support using WebSockets (Socket.io)
- Implemented JWT-based authentication for secure user access
- Built responsive frontend using React.js, DASI UI, and Tailwind CSS for an engaging user experience
- Deployed the application on Render for live usage and testing

AI-Based Financial Document Processing Tool

Next.js, Typescript, Tailwind CSS, Unpdf, Gemini API, Lemon squeezy

- Developed an AI-assisted system to extract and normalize transaction data from bank statement PDFs
- Supported scanned and digital documents using OCR and text parsing
- Reduced manual data entry by converting unstructured PDFs into structured spreadsheets

E-Commerce Website for Printer Shop – Full-Stack MERN Application

MongoDB, Express.js, React.js, Node.js, Payment Integration, JWT, Tailwind CSS

- Designed and implemented a scalable e-commerce system with user authentication, shopping cart, and payment processing
- Integrated issue management to handle user-reported problems efficiently
- Applied responsive UI design with React.js and Tailwind CSS for seamless shopping experience
- Implemented JWT authentication and secure API routes for enhanced security

Mojito Cocktail Shop – Landing Page with GSAP Animations

React.js, GSAP, Tailwind CSS

- Developed an interactive and visually engaging landing page for a cocktail shop using React.js and Tailwind CSS
- Implemented smooth animations and scroll effects with GSAP to enhance user experience and visual appeal
- Focused on responsive design and modern UI principles to create an intuitive and attractive interface
- Demonstrated front-end creativity and attention to detail in animation and layout design

DocuLens – Web Content Extraction & AI Chat Tool (Ongoing)

MongoDB, Express.js, React.js, Node.js, JWT, Zustand, Gemini API, DASI UI, Tailwind CSS

- Developing a platform to extract and summarize web content and interact with it through AI-powered chat
- Implemented content summarization features using OpenAI API
- Integrated JWT-based authentication and state management with Zustand for efficient user session handling
- Focused on responsive and intuitive frontend design using DASI UI and Tailwind CSS

Web Summarizer Extension – Browser Extension

JavaScript, HTML, CSS, Gemini API

- Built a browser extension that summarizes web page articles into short, bullet, and long formats using Gemini API
- Designed a responsive and intuitive UI for reading and exporting summarized content quickly
- Applied principles of human-computer interaction to improve usability and readability

Chat-GPT Message Store Extension – Browser Extension

JavaScript, HTML, CSS

- Developed a browser extension to store and organize ChatGPT messages in a clean, interactive container
- Implemented a user-friendly interface for easy access and navigation of stored messages
- Focused on usability and smooth UX for efficient message management without any backend storage

TECHNICAL PROFICIENCY

Languages: JavaScript, TypeScript, Java, Python, HTML, CSS, PHP

Frontend: ReactJS, NextJS, Vite, Tailwind CSS, GSAP, Responsive Design, Component Architecture

Backend: Node.js, Express.js, NestJS, RESTful APIs

Databases: MongoDB, MySQL, Database Design

Tools: VS Code, Git, GitHub, ChatGPT, Android Studio, Figma, Photoshop

Core Concepts: Data Structures & Algorithms, HCI Principles, OOP, Design Patterns, MVC Architecture

KEY STRENGTHS & PROFESSIONAL QUALITIES

- Full-Stack Proficiency across modern tech stacks
- API Integration & RESTful Services
- Database Expertise in design and optimization
- Human-Computer Interaction (HCI) Principles
- Fast Learner adapting to new technologies
- Detail-Oriented with focus on code quality
- Problem-Solving & Critical Thinking
- Self-Motivated continuous improvement
- Team Collaboration and communication
- Best Practices advocate