NETHROUGH WICKRAMASINGHE

Software Engineering Graduate | Full Stack Developer

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SUMMARY

Software Engineering graduate from the University of Bedfordshire with comprehensive experience in full-stack development and AI technologies. Proficient in modern web development frameworks including React, Vite, JavaScript, PHP, and Python. Experienced in developing machine learning algorithms, specifically linear regression models for price prediction applications. Strong foundation in both frontend and backend technologies, with demonstrated ability to lead projects from conception to deployment. Committed to delivering high-quality software solutions while continuously expanding technical expertise and contributing to innovative development teams.

SKILLS

Frontend Development: HTML5, CSS3, JavaScript, TypeScript, React.js, Vite

Backend Development: Node.js, PHP, Python, Flask/Django, Java, C#/C

Database Technologies: MongoDB, MySQL, Firebase

Machine Learning & Data Science: Python, pandas, NumPy, Pickle, Scikit-Learn, Linear Regression, Price Prediction Models

External APIs: Tomato API, Google API (Fonts), OpenAI API, Google Maps API, YouTube API

Development Tools: npm, VS Code, AWS, Git, Google Colab, GitHub, Vite

Server Management: AWS, Server Configuration, Network Management

Testing & Documentation: Postman Testing, Technical Documentation

Methodologies: Agile Methodology, Scrum Framework

Soft Skills: Team Collaboration, Time Management, Fast Learning, Problem-Solving

Languages: English (Fluent), Sinhala (Native)

EDUCATION

B.Sc. (Hons) in Computer Science & Software Engineering
SLIIT City Uni / University of Bedfordshire
Sep 2023 – Apr 2024

Higher Diploma in Information Technology (HND)
SLIIT City Uni
Jan 2021 – Mar 2023

Foundation Certificate in Information Technology (FCIT)
SLIIT City Uni
Jan 2020 – Dec 2020

PROJECTS

Fresh Finds | Full Stack Developer | Web Application

Technologies: React, JavaScript, CSS, Vite, Firebase, Python ML
Live URL: freshfinds-seven.vercel.app
GitHub: github.com/nethrough/freshfinds

Fresh Finds is a peer-to-peer marketplace for vegetables, fruits, dairy, meat, and eggs. The platform connects farmers, resellers, and end consumers directly, eliminating middlemen and ensuring fair profits for producers. Its first AI-powered feature is a price prediction engine that uses historical market data to provide insights into fair pricing and seasonal fluctuations.

Key Features:

- Direct farmer-to-consumer sales platform
- AI-powered price prediction engine using machine learning
- Real-time updates with Firebase integration
- Role-based access for farmers, resellers, and consumers

AI Voice Notes | Full Stack Developer | Web Application

Technologies: React, JavaScript, CSS, OpenAI API
Live URL: voice-notes-beryl.vercel.app
GitHub: github.com/nethrough/voice_notes

Voice Notes is a 2nd year university project that enables users to record voice notes and automatically convert them into text using OpenAI's Whisper v3 transcription model. The app delivers a clean and minimal interface while showcasing how modern AI can be integrated into lightweight web applications.

Key Features:

- Voice recording directly in the browser
- AI-powered transcription using OpenAI Whisper v3
- Clean, minimal interface design

Tech HUB | Full Stack Developer | Web Application

Technologies: React, JavaScript, Tailwind CSS, Node.js, Firebase, MongoDB
Live URL: techhub-pro.vercel.app
GitHub: github.com/Yasindu20/Techhub-Pro-Computer-Shop

Techhub Pro is a modern, web-based computer shop management system designed to streamline daily operations for computer retail businesses. The system provides comprehensive business management features including inventory management, sales tracking, and customer relationship management.

Key Features:

- Product inventory management with stock tracking
- Sales and billing system with invoice generation
- Customer relationship management
- Comprehensive reporting and analytics

Hand Crafts | Full Stack Developer | Web Application

Technologies: React, JavaScript, Tailwind CSS, Node.js, Firebase
Live URL: handloom-three.vercel.app
GitHub: github.com/Yasindu20/Handi-Craft-Site

Handi Crafts is a modern, responsive web application designed to showcase and promote handcrafted goods. The project emphasizes fast performance, modular code structure, and an intuitive user experience, making it suitable for small businesses or artisans looking to present their creations online.

Key Features:

- Responsive design showcasing handcrafted items
- Product catalog with images and descriptions
- Optimized build process and fast development server

Weather APP | Frontend Developer | Web Application

Technologies: HTML, CSS, JavaScript, Vite
Live URL: weather-app-five-beryl-35.vercel.app
GitHub: github.com/nethrough/weather-app

This Weather App was developed as a first-year university project to practice fundamental web development concepts. The app allows users to search for a city and view real-time weather details by integrating with a weather API.

Key Features:

- City-based weather search functionality
- Real-time weather data display (temperature, humidity, conditions)
- Clean, user-friendly interface design
- API integration for live weather updates

CERTIFICATIONS

- **B.Sc. (Hons) In Software Engineering** — Completed (University of Bedfordshire, April 2024)
- **Higher Diploma in Information Technology** — Completed (SLIIT City Uni, Jan 2024)