

Chithraka Kalanamith

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Summary

I'm a Motivated and adaptable 3rd-year Computer Science undergraduate with hands-on experience in frontend web development, game design in Unity, and machine learning projects. Proven ability to work on diverse, real-world projects both independently and in teams. Skilled in React, JavaScript, and problem-solving in creative and technical environments. Eager to apply skills in a dynamic internship setting, learn from experienced professionals, and grow within the tech industry.

Education

Bachelor of Science in Computer Science (Undergraduate)
NSBM Green University

November 2022 - Present

GCE Advanced Level (Physical Science Stream)
Central College Kuliyaipitiya (Index no - 2746414)

August 2020

Technical Skills

- Languages: Java, JavaScript, C#, SQL, Python (basic), C
- Web Technologies: HTML, CSS, JavaScript, React, Express.js (learning), Tailwind, Firebase
- Tools/Platforms: Git, GitHub, Visual Studio, VS Code, MySQL, MongoDB, Google Colab, Unity, Netlify, Vercel
- Other: OOP, MVC, Agile (basic), Data Structures, Algorithms, AI/ML fundamentals
- Soft Skills: Self-Motivation & Passion, Creativity, Communication, Problem-Solving & Adaptability, Leadership, Critical Thinking

Projects

2D Platformer Game - (2024 - 2025)

[\[https://chithraka.itch.io/the-pie-verse-chronicles-2d\]](https://chithraka.itch.io/the-pie-verse-chronicles-2d)

Developed a 2D story-rich platformer in Unity featuring custom combat, enemy AI, and a dialog-driven narrative with level design, animation, and UI fully built from scratch. Published the playable demo on Itch.io and recently recognized by the popular streamer who inspired the main character.

Technologies: Unity (2D), C#, GitHub

HopeLink - Charity Donation Platform

[\[Github Link\]](#)

Built A frontend interface for a charity donation platform, implementing responsive layouts, campaign browsing, and user-friendly forms. Integrated payment flow with Stripe, handled user authentication flows, and coordinated with backend for API integration and email notifications.

Technologies: React, ExpressJS, Nodemailer, MongoDB, Gmail SMTP

Breast Cancer Prediction AI Model (Research Project) - In Progress 2025

A breast cancer detection system using traditional ML models, comparing performance across classifiers like Random Forest, XGBoost, and CNN. Extracted features from mammogram images and evaluated models using confusion matrices, ROC-AUC, and cross-validation. Currently working on extending the project with deep learning (CNN) models for improved accuracy and image-based learning.

Technologies: Python, NumPy, Google Colab, Logistic Regression, Decision Trees, Random Forest, XGBoost Classifier

Chef Claude - AI-Powered Recipe Generator

[\[https://chef-digital.netlify.app/\]](https://chef-digital.netlify.app/) [\[Github Link\]](#)

A React-based web app that uses Google's Gemini Pro model to generate personalized recipes from user-provided ingredients. Features include markdown rendering for AI responses, dynamic ingredient form handling, and secure integration of API keys via environment variables.

Technologies: React, Vite, Google Generative AI, JavaScript, React Markdown

Portfolio Website (In Progress) - 2025

chithraka-dev.netlify.app/ [\[Github Link\]](#)

Currently developing a responsive personal portfolio using React.js to highlight projects, skills, and experience. Integrating dynamic components, routing, and interactive UI elements to ensure a professional and engaging user experience.

Technologies: React, Vite, HTML, CSS, JavaScript

Yaman Travels (In Progress) - 2025

<https://yaman-travels.netlify.app/> [\[Github Link\]](#)

Developing a travel-focused website featuring destination guides, service listings, and customizable travel packages. Planning integration with Gemini API to provide intelligent suggestions for services and packages based on user-entered destinations.

Technologies: React, Vite, Google Generative AI, HTML, CSS, JavaScript

Thissogama Sripali School Website - 2023

<https://thissogama-sripali/> [\[Github Link\]](#)

A web-based portal for a local government school using HTML, CSS, and JavaScript to improve information accessibility. I am voluntarily completed as a first-year student project.

Certifications

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|---|-----------------|
| • Learn React- Scrimba [E-Certificate] | May 2025 |
| • Images with TensorFlow on Google Cloud - Google Cloud Skills Boost [E-Certificate] | Apr 2025 |
| • Introduction to Generative AI - [E-Certificate] | Sep 2023 |
| • Introduction to Java - Sololearn [E-Certificate] | May 2023 |
| • Introduction to SQL - Sololearn [E-Certificate] | May 2023 |
| • Web Development Using WordPress – Coursera [E-Certificate] | Dec 2023 |

Extra-Curricular Activities

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| • Sub-Committee Member (Program Team Lead)
<i>Association of Computer & Data Science – NSBM</i> | August 2024 - Present |
| • Executive Board Member (Event Coordinator)
<i>Student Circle of Computer Science & Software Engineering – NSBM</i> | July 2023 - December 2023 |
| • Sub-Committee Member (Event Coordinator)
<i>NSBM ISACA Student Group</i> | March 2023 - March 2023 |
| • Sub-Committee Member
<i>International Centre for Cultural Exchange of NSBM</i> | May 2023 - December 2023 |
| • Senior Corporal
<i>Cadet Band of Central Collage Kuliyapitiya</i> | January 2017 - December 2019 |

References

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