Chamika Thennakoon

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GitHub - https://github.com/chamika-11?tab=repositories

Portfolio - https://chamika-11.github.io/Portfolio/

ABOUT

I am an undergraduate in software engineering with firsthand experience in AI and software development. Expertise in the modeling and development of levelheaded, scalable software using modern frameworks and tools. Adapting to dynamic situations and am committed to continuous learning and innovation. With problem solving skills, I strive to deliver tailor made solutions for real world problems within limited timeframes.

SKILL SUMMARY

- **Languages**: Java, Python, C#, JavaScript, C, C++, HTML, CSS
- **Frameworks**: React, .NET, Node, Express, Streamlit
- **Databases**: MySQL, MongoDB, SQL Server
- **Libraries/Tools**: Langchain, Pytorch, ONNX, OpenCV, Tesseract
- **Architectures & Infrastructure:** MCP Servers, OOP, CNN, RAG
- **Tools:** VS Code, MS Copilot Studio, Azure Services
- **Soft Skills**: Problem Solving, Team Collaboration, Time Management, Creative Approach

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PROFESSIONAL EXPERIENCE

ENADOC   MAR 2025 - PRESENT

AI ENGINEERING INTERN

Gaining hands-on experience in AI development, computer vision, and real-world software engineering within a professional environment.

- Co-developed a YOLOv8-based real-time face verification module with webcam auto-capture and face detection. Integrated it into a Face verification system using Azure Face API.
- Contributed to a CNN + OCR system for scanned form field detection, enabling auto-fill of missing entries using LLM-generated content. Reduced human intervention and improved document completeness.

PEOPLE'S BANK   SEP 2022 - SEP 2023

BANKING TRAINEE

- Gained experience in organizational operations and financial analysis.
- Developed strong customer-facing and time management skills.
- Supported internal system audits and contributed to a team digitization initiative to improve reporting efficiency.

EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)

MAY 2023–Present
BSc (Hons) in Information Technology
Specialising in Software Engineering

CERTIFICATIONS

Azure Services - AZ-900
In Progress

British Way English Academy
Diploma In Spoken English

PROJECTS

Medical Health Flow Management System

- Contributed to the development of an AI-powered clinical workflow platform that improves treatment accuracy and streamlines healthcare processes.
- Focused on integrating AI models for patient data analysis and clinical decision support.
- **Technologies Used**: React, Node, Express, MongoDB, Gemini 2.5 flash

Employee Management System

- Collaborated in a team to design and implement a comprehensive employee management web application using OOP and MVC architecture.
- Developed features for employee data handling, leave management, and role-based access control.
- **Technologies Used**: Java, MySQL, HTML, CSS, JavaScript

Document Analyzing System

- Developed a system to upload documents, classify them using a CNN model, and extract key indexes like names, dates, and locations through OCR.
- Broke down the extracted text into chunks and stored it in a vector database for quick and relevant information retrieval.
- Integrated a chatbot that lets users ask questions and get specific answers based on the document content using RAG.
- **Technologies Used**: Python, React, FastAPI, OpenCV, Tesseract OCR, PyTorch, LangChain

Tea Supply Management System - (On Going)

- Leading the development of a secure digital platform to streamline tea order processing and inventory management.
- Implemented CRUD operations and role-based authentication for suppliers and administrators.
- **Technologies Used**: ASP.NET Core, Angular, SQL Server,

REFERENCE

Madhura Sampath

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