

Chamika Thennakoon

SOFTWARE ENGINEER INTERN

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Linkedin - [linkedin.com/in/chamika-thennakoon](https://www.linkedin.com/in/chamika-thennakoon)

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, computer vision, and scalable software development. Expertise in the modeling and development of reliable, scalable software using modern frameworks and tools. Adaptable to dynamic situations, I 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 real-time face verification module with webcam auto-capture of identity card 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 autofill of missing entries using LLM-generated content. Reduced human intervention and improved document completeness.
- Assigned to development tasks for Evia, contributing as part of the product engineering team.

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

[GITHUB](#)

- Collaborated in designing and developing an AI-powered clinical workflow platform that improves treatment accuracy and streamlines healthcare processes.
- Focused on integrating AI for patient data analysis and clinical decision support.
- **Technologies Used:** React, Node, Express, MongoDB, Gemini 2.5 flash

Employee Management System

[GITHUB](#)

- Participate 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

Agentic Document Analysing System

[GITHUB](#)

- Designed and developed an AI-powered document processing system supporting multiple file formats (PDF, Word, Excel, PNG, JPG) with preprocessing pipelines to improve OCR accuracy.
- Implemented a custom CNN model for automated document classification and extracted key entities (names, locations, organizations) for structured storage in vector databases and JSON files.
- Integrated semantic and keyword-based search with an Agentic RAG-powered chatbot, enabling natural, conversational access to document insights and improving data retrieval efficiency.
- **Technologies Used:** Python, React, FastAPI, OpenCV, Tesseract OCR, PyTorch, LangChain

REFERENCE

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