

CHANITH ADIKARI

Colombo, Sri Lanka

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SUMMARY

AI & ML-focused IT undergraduate with hands-on experience in Python, TensorFlow, PyTorch, RAG systems, multi-agent AI, and MLOps. Skilled in CI/CD, Docker, cloud platforms (AWS, Azure, Vertex AI), and workflow automation using n8n. Seeking an AI/ML internship to contribute to production-level machine learning solutions.

EDUCATION

BSc (Hons) in Information Technology
University of Kelaniya / CGPA – 3.59

2024 March – Present

Diploma in Information Technology
IMBS Green Campus

2022 March – 2023 April

SKILLS

Artificial Intelligence:	Machine Learning, Deep Learning, Neural Networks, CNNs, Retrieval Augmented Generation (RAG), Natural Language Processing (NLP)
Frameworks & Libraries:	TensorFlow, PyTorch, Keras, Scikit-Learn, Hugging Face, LangChain, Pandas, Matplotlib, Seaborn
Programming Languages:	Python, JavaScript, C, C++, Java, OOP, Event-Driven Programming
Backend & MLOps:	FastAPI, Docker, GitHub Actions, CI/CD, Model Deployment, n8n
Databases & Vector Stores:	MySQL, PostgreSQL MongoDB, Pinecone, Qdrant
Cloud & AI Platforms:	Google Vertex AI, Google AI Studio, Google Flow, AWS, Microsoft Azure, Microsoft Copilot Studio, Azure AI Foundry, Google Colab
Web Development:	React, Next.js, Three.js, Node.js, Express.js, HTML, CSS, JavaScript
Soft Skills:	Teamwork, Time Management, Critical Thinking, Problem Solving

CERTIFICATIONS

[Liner Algebra for Machine Learning](#)
DeepLearning.AI

[Introduction to TensorFlow](#)
DeepLearning.AI

[Machine Learning Foundations](#)
AWS Educate

[Introduction to Vertex AI](#)
Google Cloud

[Introduction to AI and Machine Learning](#)
Google Cloud

[Introduction to PyTorch](#)
DeepLearning.AI

[Certificate for Artificial Intelligence](#)
SLIIT

[Python Essentials](#)
Cisco

PROJECTS

Medi Mate AI – Intelligent Prescription RAG Assistant

LangChain, Pinecone, Google Gemini Vision

- Developed an OTC prescription safety verification system using OCR, LLM-based reasoning, and vector-based semantic search (Pinecone) to extract and analyze medical prescriptions.
- Designed and implemented an interactive RAG pipeline to explain prescriptions, improve understanding, and reduce interpretation errors.

TensorFlow MNIST Digit Classification Model

TensorFlow, Keras, NumPy, Pandas, Seaborn, Matplotlib, Jupyter Notebooks, Google Colab

- Built and trained an MNIST digit classification model using deep neural networks, improving accuracy from 92.5% to 97.5% by introducing a ReLU-based hidden layer.

ContextIQ – AI-Powered RAG Document Intelligence System

Python, FastAPI, Qdrant, Google Gemini, React

- Developed a production-ready Retrieval-Augmented Generation (RAG) application for document intelligence, implementing PDF ingestion, embedding generation, and vector-based retrieval using Qdrant.
- Built an AI-powered document Q&A system with a FastAPI backend and a modern React frontend for scalable user interaction.

KIO Wound Care Management System

MySQL, Express.js, React.js, Node.js, Gemini API, Google Maps API

- Developed a cloud-based Wound Care Management System using the MERN stack (MySQL, Express.js, React.js, Node.js) with JWT authentication, role-based access, appointment scheduling, Stripe payment integration, AI chatbot, and Google Maps API, featuring a comprehensive dashboard for patients, appointments, and payments.
- Deployed a scalable, HIPAA-compliant solution with SSL/TLS encryption, MySQL cloud hosting, automated email notifications.

VOLUNTEERING

AI Driven Sri Lanka -
Community Talk May
2025 - Present
Member of Media Team

IEEE Student Branch UOK
2024 - Present
Head of Design

Microsoft IT PRO
Community Sri Lanka
2025 - Present
Member of Media Team

ACHIEVEMENTS

- [AI Agentic Hackathon 2025](#) (Microsoft, Tech One Global Ltd): Built a **multi-agent AI system** using **Microsoft Copilot Studio**; collaborative AI solution development.
- [IEEE Xtreme 18.0](#) (IEEE, Oct 2024): **Global Rank 4702/19,000+**; **Sri Lanka Rank 383**.
- [Kelani Xtreme 2025](#) (IEEE UOK): **8th place (Top 10 teams)**; **850.0 score**, one test case failed.

REFERENCES

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