

Kayaththiri Kanagasabai

AI/ML Intern

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Aspiring AI/ML Engineer in Artificial Intelligence and Machine Learning. Skilled in Python, data analysis, and modern AI frameworks. Passionate about building intelligent systems including chatbot, RAG pipelines, and real-time health applications. Strong academic foundation in Computing and Information Systems with hands-on project experience.

Skills

- Programming- Python, Java,SQL,C
- AI/ML Tools- LangChain, RAG pipelines, embeddings, vector databases
- Business Analysis Tools- PowerBI
- Frameworks- FastAPI, React,Streamlit,Express.js,Next.js
- Databases- MongoDB, MySQL
- Other- Bootstrap,Beatiful Soup,Numpy,Pandas Git/GitHub, Agile teamwork

Education

BSc(Hons) Computing and Information Systems

2023 – Present

SABARAGAMUWA UNIVERSITY OF SRILANKA

- Current GPA: 3.3/4.0

G.C.E. Advanced Level (Physical Science Stream)

2019 – 2021

- Mu/Visuvamadu maha vidyalayam.

Projects

MEDICare | Hospital Management System | Capstone Project | 🌐 GitHub

Dec 2024 - Apr 2025

- *Tech Stacks: Angular, Bootstrap,Taildwind CSS MongoDB, FastAPI*
- Contributed to the Medicare Hospital Management System, a full-stack web app enhancing doctor–patient interactions.
- Developed the digital prescription module and implemented an AI chatbot offering personalized health tips and disease insights with chat history storage.

SportMind | RAG-Based Sports Document Question Answering System | 🌐 GitHub

Aug 2025 - Sep 2025

- *Tech Stacks: LangChain, Large Language Models (LLMs), VectorDB, and Streamlit*
- Built an RAG chatbot that enables users to upload sports-related PDFs and ask context-based questions.
- Integrated LangChain with LLMs and VectorDB to retrieve accurate, document-grounded responses.

Bank Churn Analysis | Straightforward recognized in data science | 🌐 GitHub


Apr 2025 - May 2025

- *Tech Stacks: Python, Pandas, NumPy, Matplotlib, Seaborn*
- data cleaning, exploration, and visualization to identify key patterns in customer behavior.
- predictive models to identify customers likely to churn using classification algorithms.

- Generated actionable insights to improve customer retention strategies and support data-driven decision making.

FinBot | Generative Finance AI Platform | GitHub

Sep 2025 - Oct 2025




- *Tech Stacks:* langchain, API, and streamlit
- Leveraged LangChain and OpenAI to build an end-to-end GenAI system in the finance domain. Users input financial data or queries, and the system generates insightful, context-aware responses driven by LLMs.
- [+94 763336883](#) 

Diabetes Data Analysis | Widely recognized in data science | GitHub

May 2025 - Jun 2025

- *Tech Stacks:* Python, Pandas, NumPy, Matplotlib, Seaborn
- The project involved data cleaning, exploratory data analysis, feature selection, and model evaluation to build a predictive model for diabetes risk assessment.
- Conducted a comprehensive analysis of a diabetes dataset to predict the onset of diabetes in individuals.

Certificates

- AWS Training & Certification Completion Certificate Planning a Generative AI Project LINK 
- HP LIFE online course - AI for Business Professionals LINK 
- AWS Training & Certification Fundamentals of Analytics on AWS LINK 

References

Prof. B.T.G.S Kumara

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