

# 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, BeautifulSoup, Numpy, Pandas Git/GitHub, Agile teamwork

### Education

#### BSc(Hons) Computing and Information Systems

2023 – Present

SABARAGAMUWA UNIVERSITY OF SRI LANKA

- 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, Tailwind 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**

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- 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**

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### **Prof. B.T.G.S Kumara**

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