

ANURADHA RANATHUNGA

INTERN - MACHINE LEARNING ENGINEER

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📍 Colombo, Sri Lanka

SUMMARY

A driven undergraduate pursuing dual degrees in Computing and Information Systems at the University of Sabaragamuwa, Sri Lanka, and Information Technology at the University of Colombo School of Computing. Passionate about leveraging cutting-edge technology to drive innovation and solve real-world challenges. Known for a curious mindset and strong communication skills, she thrives in connecting with others, continuous learning, and exploring diverse opportunities within the tech field. Eager to connect, collaborate, and make a meaningful impact through technology.

EDUCATION

06/2021 - present	BACHELOR OF SCIENCE (HONS) COMPUTING AND INFORMATION SYSTEMS Sabaragamuwa University of Sri Lanka Belihuloya
02/2022- present	BACHELOR OF INFORMATION TECHNOLOGY University of Colombo
05/2018-09/2020	GCE ADVANCED LEVEL (PHYSICAL SCIENCE) Bandaranayake Central College,Veyangoda

COURSES & CERTIFICATES

- Certificate in Holoverse: Discover and Earn VR Mastery - **KDU**
- Introduction to HTML - **Sololearn**
- Introduction to C++ - **Sololearn**
- Statistical Methods for Analytics using MS Excel - **uniathena**
- Introduction to Java - **Sololearn**
- Certificate for participating in the Microsoft Responsible AI session
- Certificate in Data Science Vs AI from Datamite

SKILLS

- **Languages:** Python, Java, C, C++, PHP, HTML, CSS, JavaScript
- **Databases:** MySQL, MongoDB
- **Libraries:** NumPy, Pandas, SciPy, Statsmodels, Matplotlib, Seaborn, Scikit-learn, OpenCV
- **Frameworks:** FastAPI, Flask, ReactJS, Laravel
- **Tools & Technologies:** GitHub, Git, VS Code, PowerBI, Jupyter Notebook

ACHIEVEMENTS & VOLUNTEERING

- Finalist - HackElite 1.0 2024 Organized by IEEE of UOM
- Finalist - Codeblast National Hackathon 2023 from SLT Mobitel (Pvt) Ltd
- Finalist - Hackaholics 6.0 2024 Organized by IEEE of UCSC
- X-AI Finalist at Tech-X Sri Lanka 2023
- Volunteer Member in IEEE Sri Lankan Section
- Volunteer in InspireIEEE session as a Secretary

PROJECTS

10/2024 – present

RESUMATCH: AI-POWERED APPLICANT TRACKING SYSTEMS

- Python, Streamlit, LangChain, LLaMA3
- An AI-powered tool designed to optimize resumes by matching them with job descriptions using the LLaMA 3.1 model and LangChain. ResuMatchAI analyzes resumes.

09/2024 – 10/2024

PADDY DOCTOR PADDY DISEASE CLASSIFICATION

- Python, Flask, TensorFlow, Keras, OpenCV
- Developed an advanced automated system for the classification of paddy crop diseases using state-of-the-art image processing and deep learning techniques.

09/2024 – 09/2024

HIREWRITE: AI-POWERED COVER LETTER GENERATOR

- Python, Streamlit, LangChain, LLaMA3
- Developed an innovative AI-powered tool, HireWrite, to streamline the job application process by generating personalized cover letters based on job descriptions and resumes. The system leverages advanced machine learning models, including LLaMA3 for high-quality language generation.

03/2024 – 07/2024

DEVELOPMENT OF LIBRARY MANAGEMENT SYSTEM

- Laravel, MySQL, Bootstrap, JavaScript
- Developed a comprehensive Library Management System using the Laravel framework to streamline the management of books, members, and transactions for educational institutions and libraries. The system supports multiple functionalities such as book inventory management, user authentication, book borrowing/return tracking, and fine calculation.

03/2024 – 03/2024

DEVELOPMENT OF DOCRAG: ADVANCED DOCUMENT RETRIEVAL

- Python, LangChain, Pinecone
- Developed DocRAG, an advanced Document Retrieval system utilizing Retrieval-Augmented Generation (RAG) techniques to enhance information extraction from large document collections. DocRAG intelligently combines keyword-based retrieval with language model-generated responses, optimizing the efficiency and relevance of document search results.

REFERENCES

PROF. BTGS KUMARA

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