

Ranuga Disansa

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Summary

Ranuga Disansa is a creative and analytical software engineering student with a passion for technology and a desire to push the boundaries of what is possible. Proficient in multiple programming languages and familiar with various software development tools.

Education

Kingston University

BSc (Hons) Computer Science (Software Engineering) (Sri Lanka ESOF) Top Up Jan 2024 - Feb 2025

ESOF Metro Campus

BSc (Hons) Computer Science (Software Engineering) Top Up and BCS Diploma Level Dec 2020 - Feb 2025

Informatics Institute of Technology (IIT Campus)

Foundation Certificate in Higher Education – IT, Artificial Intelligence and Data Science Sep 2023 - Sep 2028

Starting BSc (Hons) Computer Science from the University of Westminster in September of 2024

Experience

Technical Writer

Dec 2023 - Present

Medium, Sri Lanka

- Write articles on various technical topics, including software development, machine learning, and artificial intelligence. (Contributions are available on Medium Profile, where articles are independently released.)

Projects

Find-Card

Feb 2022 - May 2023

- An Object Detection Project using Detectron2 (by @META)
- Utilized Detectron2 and Open Images V6 datasets from Google

GitHub Link

DataBridgeX

May 2024 - Present

- Developed DataBridgeX, a data integration platform that enables seamless communication between different data sources
- Implemented features such as data mapping, transformation, and synchronization

GitHub Link

CivicCircle: AI-driven Solution

May 2024 - Present

- Developed innovative AI solution as part of Colombo AI Conclave 2024 MindStudio Hackathon
- Recognized as a Top 10 Finalist among numerous submissions, demonstrating technical proficiency

GitHub Link

Dimensionality-Reduction (DimRed)

Apr 2024 - Apr 2024

- Developed DimRed, a comprehensive Python toolkit for advanced dimensionality reduction, integrating with major machine learning libraries and featuring real-time performance monitoring to enhance data analysis and model efficiency

GitHub Link

Certifications

BCS Diploma Level

Dec 2023

BCS Certificate Level

Dec 2023

Databricks Lakehouse Fundamentals Link

Apr 2024 - Apr 2025

Postman API Fundamentals Student Expert Link

Apr 2024

Master the Coding Interview: Data Structures + Algorithms Link

Jan 2024

Linear Algebra for Machine Learning and Data Science Link

Jul 2023

Complete A.I. & Machine Learning, Data Science Bootcamp Link

Feb 2021

Algebra Link

Aug 2022

Skills

- **Programming Languages:** Python, HTML, CSS, JavaScript, TypeScript, and SQL
- **Web Development:** Flask, Bootstrap
- **API Development:** Flask Restful, FastAPI, and ExpressJS
- **Machine Learning:** PyTorch, Sklearn
- **Deep Learning:** PyTorch, Detectron2
- **Databases:** MongoDB, SQLite, SQL
- **Cloud Providers:** Azure, Firebase, GCP
- **Other Tools:** Git, Postman, BeautifulSoup
- **No Code:** MindStudio

Honors and Awards

Finalist (Top 10): Colombo AI Conclave 2024 MindStudio Hackathon	May 2024
3x Kaggle Expert (Discussion, Datasets, Notebooks)	Jan 2023
2022 Young Computer Scientist Challenge Junior Section Award	Nov 2022
1st Runner Up: Hack:AI Hackathon School Category	Aug 2022
2020/2021 APICTA Nominee	Oct 2021
Second Place Winner - YCS 2021 Junior Section	Jun 2021
Junior Champion - Code Fest 2020	Feb 2021

Volunteer

Open Source Contributor	May 2024 - Present
Microsoft FLAML	
<i>Contributed to FLAML by fixing method arguments, enhancing numerical precision, and addressing codebase inconsistencies to improve functionality and usability. Committed to ongoing contributions and active community engagement.</i>	
GitHub Link	
Affordable & Clean Energy Ambassador	May 2024 - Present
G17 Global	
<i>Advocate for sustainable energy solutions through outreach, workshops, and educational campaigns. Committed to advancing UN Sustainable Development Goal 7 and promoting clean energy initiatives.</i>	
Open Source Contributor	May 2024 - Present
Meta Detectron2	
<i>Enhanced Detectron2 by fixing bugs, adding features, and improving documentation. Engage in code reviews and community discussions to support the development of this computer vision framework.</i>	
GitHub Link	

Referees

Prof. K.S. Lasith Gunawardena

Professor and Head, Department of Information Technology, University of Sri Jayawardenepura, Sri Lanka.

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