

UVINI RANAWEERA

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SUMMARY

I'm interested in developing Machine Learning algorithms and incorporating data analytics to contribute towards data-driven decision-making.

Research Interests: Natural Language Processing Quantitative Engineering Supervised Learning

EDUCATION

University of Moratuwa

Moratuwa, Sri Lanka

BBS. (Hons) Sp. Business Analytics (CGPA: 4.11/4.2)

Dec. 2019 - Present

- Thesis Title: "Multi-class Document Classification for Reports on Digital Development: A Case Study on USAID DEEM"
- Dean's List awardee of all semesters

Chartered Institute of Management Accountants

United Kingdom

CIMA Adv Dip in Management Accounting

Dec. 2019 - Present

The Association of Accounting Technicians

Sri Lanka

AAT Passed Finalist

Dec. 2015 - Dec. 2019

INDUSTRIAL EXPERIENCE

Intern Specialised Solutions

Sep. 2023 - Present

Acuity Knowledge Partners

Sri Lanka

CONFERENCE PUBLICATIONS

[1] U. Ranaweera*, B. Mawitagama, S. Liyanage, S. Keshan, T. de Silva, and S. Hewawalpita, "Comparison of Machine Learning Models to Classify Documents on Digital Development," in Communications in Computer and Information Science, Springer, Nov. 2023. https://doi.org/10.1007/978-981-99-7969-1_5

RESEARCH ACTIVITIES

An Automated Application for e-documents Classification

Nov. 2022 - Nov. 2023

Supervised by Dr. Tiloka de Silva & Mr. Supun Gothama, UoM

- Proposed a One vs Rest Approach for multiclass classification of e-documents. Instead of using just one algorithm, the study explores how combining multiple algorithms can lead to better results, especially when dealing with documents that are not class-balanced.

RELATED ACADEMIC PROJECTS

A Web Application for Sentiment Analysis of Customer Reviews

Apr. 2023

Semester 7 project for Text Analytics, UoM

[View Project](#)

- Fine-tuned a pre-trained Hugging Face transformer model for sentiment analysis of customer reviews received by a hotel in Sri Lanka.

[Python](#) [Natural Language Processing](#) [PyTorch](#) [Hugging Face](#) [Streamlit](#)

Web Application for Online Quizzes

Oct. 2022

Semester 6 project for Business Application Development, UoM

[View Project](#)

- Developed a web application that allows teachers to create quizzes and students to attempt quizzes.

[Python](#) [Django](#) [HTML](#) [CSS](#) [Bootstrap](#) [MySQL](#)

TECHNICAL SKILLS

PROGRAMMING: Python, R
VISUALISATION: Power BI, Tableau
LIBRARIES: NLTK, scikit-learn
WEB DESIGNING: HTML, CSS, Bootstrap

VOLUNTEER & LEADERSHIP

TEMPO MUSIC ACADEMY, EGYPT	Exchange Participant, AIESEC in Egypt	Mar. 2023
AIESEC INTERNATIONAL	Volunteer, Graphic Designer	2022-2023
ROTARACT CLUB OF UoM	Volunteer, Vice President Professional Development	2020-2023
FACULTY OF BUSINESS, UoM	Batch Representative	2019-2023
RATHNAVALI BALIKA VIDYALAYA	Deputy Head Prefect	2016-2017

REFERENCES

References available upon request.