Lasal Jayawardena

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WORK EXPERIENCE

Kaggle Expert X 3
www.Kaggle.com
January 2021 to Present
- ***World Top 100*** and ***Sri Lanka No.1*** *Dataset Expert*
- Notebook Expert
- Discussion Expert

AI and Data Science Campus Ambassador
Informatics Institute of Technology (IIT)
November 2020 to Present
Represent IIT's all AI/Data Science batches, and deal with students from many backgrounds and cultures.

Director of PR
Mozilla and FOSS Community of IIT
December *2021 to Present*
Advocating and Promoting, open source software and software freedom.

EDUCATIONAL BACKGROUND

Robert Gordon University
Aberdeen, Scotland
BSc(Hons) Artificial Intelligence and Data Science
2020 - Present
- First Year GPA - 4.0/4.0 (All As)
- Campus Ambassador for AI and Data Science

Lyceum International School
Nugegoda, Sri Lanka
High School Diploma
2008 - 2019
- Recipient of Cambridge High Achiever Award.
- Cambridge A-Levels 3A stars for Mathematics, Computer Science, and Physics.
- Counselor Recommendation for School Career.
- Sports Captain for Chess. Involved in Athletics, Swimming, and Karate.

PROFESSIONAL SUMMARY

Enthusiastic, Highly motivated Honors AI/Data Science Undergraduate passionate about Data Science, Deep Learning, and Mathematics. Eager to learn and adapt to different environments as well as cultivate leadership qualities.

SKILLS & PROFICIENCIES

- Machine Learning
- Deep Learning
- Problem Solving
- Object-Oriented Programming
- Data Analytics/Visualization
- Big Data - PySpark, Hadoop, Hive
- Mathematics - Calculus, Matrix Algebra, Statistics, Bayesian Statistics
- Cloud Services - GCP (limited), AWS (limited)
- Web Scrapping - BeautifulSoup, Selenium
- Automation and Scripting
- Web Development - MERN Stack, ReactJS, Redux
- Databases: MySQL, MongoDB, SQLITE3
- Programming Languages: Python, R, JavaScript, Java
- IDE/Editors: Jupyter, VS Code, InteliJ, Google Colab, Vim
- Version Control: Git, Github, Gitlab

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ACCOMPLISHMENTS

1. Cambridge High Achievers Award
2. Sri Lanka Chess - 2019/2020 National A Team Member
3. Best Software Engineering/Artificial Intelligence/Computer Science Project - Cutting Edge 2021
4. Most Creative Engineering/Artificial Intelligence/Computer Science Project - Cutting Edge 2021
5. Hack IT 2021 Winner - Individual Hackathon Organized by IET Club of Informatics Institute of Technology (IIT)
6. PY-Hack 2021 2nd Place - Individual Hackathon Organized by IEEE WIE Affinity Group of IIT
7. IET Hack 2021 3rd Place - Individual Hackathon Organized by the IET club of IIT
8. Thinkwave 3.0 2nd Place - Team Ideathon Organized by University of Moratuwa AIESEC Sri Lanka.
9. TadHack 2021 3rd Place - Team Ideathon Organized by hSenid and Dialog Axiata.
10. OpenHack 2021 3rd Place - Team Ideathon Organized by FOSS and Mozilla Campus Club of IIT.

PUBLICATIONS

Sri Lanka Vehicle Prices Dataset
DOI: 10.13140/RG.2.2.35445.09448/1

The Dataset contains data about vehicle prices in Sri Lanka collected from 2021. The dataset contains attributes such as vehicle type, brand, model, condition, manufacture year, etc. The data was obtained from Sri Lanka's biggest online vehicle marketplaces.

PROJECTS

- Ayush the AI Stethoscope - Intelligent AI System used in Early Diagnosis of Respiratory and Cardiac Diseases.
- Live COVID-19 Dashboard - Real-Time Data Analytics project built with Dash and Streamlit.
- Aurora (Ongoing) - MultiModal Depression Detection and Treatment System.
- English to French Translator - AI application built to translate English to French using a Deep LSTM model architecture.
- Piano Music Generator - Application that generates piano music notes using a Deep RNN model architecture.
- Space Radio Signal Classifier - Classifier built on top of a CNN architecture which analyzes the Spectrogram of Signals from space.
- Online Retail Recommender System - Hybrid Recommendation system with Matrix factorization and RNNs.
- Cornell Movie Dialog Chatbot - Chatbot developed using fictional conversations from the Cornell movie Dialog Corpus.
- Udemy Course Recommender - Course Recommender for Udemy courses built with streamlit and ML.
- Molecule Descriptor Application - App built to calculate Molecular Descriptors that can be used for computational drug discovery.

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CERTIFICATIONS

1. Machine Learning by Andrew Ng - Certificate
2. Advanced Machine Learning Specialization by HSE Russia - Certificate
3. Deep Neural Networks with PyTorch by IBM - Certificate
4. Advanced Machine Learning on GCP by Google - Certificate
5. TensorFlow 2 for Deep Learning Specialization by Imperial College London - Certificate
6. Practical Deep Learning by Intel Corporation - Certificate
7. Python Data Products for Predictive Analytics Specialization by UC San Diego - Certificate
8. Applied Data Science with Python Specialization by University of Michigan - Certificate
9. Google Data Analytics Professional Certificate by Google - Certificate
10. Google IT Automation Professional Certificate by Google - Certificate
11. Analyzing and Visualizing Data in Looker by Google Cloud - Certificate
12. Mathematics for Machine Learning Specialization by Imperial College London - Certificate
13. Bayesian Statistics: From Concept to Data Analysis by UCSC - Certificate
14. Integral Calculus through Data and Modeling Specialization by John Hopkins University - Certificate
15. Matrix Algebra for Engineers by HKUST Hong Kong - Certificate
16. Data Science Maths by University of Duke - Certificate
17. Cloud Computing Basics by LearnQuest - Certificate
18. Object-Oriented Programming in Java Specialization by UC San Diego - Certificate
19. Parallel, Concurrent, and Distributed Programming in Java Specialization by the University of Rice - Certificate

VOLUNTEERING & AFFILIATIONS

- Technical Writer and Compère for the FOSS and Mozilla Campus Club of IIT
- Microsoft Edge and Windows Insider
- Google Crowdsourcer
- IBM Advocate
- Member of IIT Toastmasters Club and Former member of Serendib Toastmasters Club

EXTRACURRICULARS

1. JPMorgan Chase & Co - Software Engineer Virtual Experience
2. Goldman Sachs - Software Engineering Program
3. KPMG - Data Analytics Virtual Program
4. GE Aviation - Data Analytics Program
5. ANZ - Data@ANZ Virtual Program
6. Quantinum - Data Analytics Virtual Experience

REFRENCES

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Colombo 06.

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