

Contact

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(LinkedIn)

Top Skills

Deep Neural Networks (DNN)
Keras
Docker Products

Languages

English (Full Professional)
Sinhala (Native or Bilingual)

Certifications

System Administration and IT Infrastructure Services
Structuring Machine Learning Projects
Multiple Linear Regression with scikit-learn
Introduction to Data Science in Python
Continuous Delivery & DevOps

Honors-Awards

Bronze Award - SLIIT CODEFEST 2018 - Designathon Category
Dean's List - Faculty of Science
Gold Medal for the Best Academic Performance

Publications

A Deep Learning Approach to Outbreak related Tweet Detection
A Deep Learning Approach to Hate Speech Detection in Sinhala
A deep learning approach to outbreak related tweet detection
Towards Real-time Traffic Flow Estimation using YOLO and SORT from Surveillance Video Footage

Santhoopa Jayawardhana

Software Engineer | Full Stack Developer | AI/ML
Sri Lanka

Summary

An enthusiastic Full Stack Software Engineer with a passion for the fields of AI & Data Science. A fast learner looking forward to apply my knowledge to achieve success in the professional world as well as society.

Experience

Calcey
Software Engineer
June 2022 - Present (1 year 4 months)

Dialog Axiata PLC
Engineer - Research & Development
March 2021 - May 2022 (1 year 3 months)
Colombo, Western, Sri Lanka

- Ensure smooth and optimized operation of AI based chatbot platform and implementation of new requirements (Dialogflow, Java Spring boot, NodeJS, PostgreSQL, Google Bigquery, NLP)
- Implementation & maintenance of Kafka Producer data streams for CRM & Billing systems (Apache Kafka, Java, Oracle PL/SQL)
- Root cause analysis for live system issues to prevent similar issues in the future
- Research & Development on AI/Analytics use-cases that can generate a return on investment for business (AI/ML, Python, Angular, Docker, AWS)

Group Information Technology : CRM & Billing

Massey University
External Research Contractor
December 2020 - February 2021 (3 months)

Technologies/Experience:

Computer Vision, Deep Learning, Traffic object detection using YOLOv4, Darknet framework, OpenCV, HPC

Publications

Nilani Algiriyage, Raj Prasanna, Kristin Stock, Emma Hudson-Doyle, David Johnston, Minura

Punchihewa, Santhoopa Jayawardhana (2021). "Towards Real-time Traffic Flow Estimation using YOLO and SORT from Surveillance Video Footage". ISCRAM 2021 Conference Proceedings - 18th International Conference on Information Systems for Crisis Response and Management (pp. 40–48). Blacksburg, VA (USA): Virginia Tech.

Zone24x7

Trainee Associate Software Engineer
September 2019 - March 2020 (7 months)
Colombo, Sri Lanka

Worked as a Software Engineering intern for the Enterprise Software Team

Technologies/Experience

C#

CRC32

API integration using Facade pattern

NestJS/NodeJS

RESTful API design

Swagger

Databases : PostgreSQL

TypeORM

Keycloak for Identity and Access Management

OpenID connect, OAuth 2.0

Apache Kafka

Docker

Test Driven Development

xUnit.net, Jest

Education

University of Kelaniya Sri Lanka

BSc (Hons) in MIT, Information Technology · (2017 - 2021)

Ananda College - Colombo 10

Biological Science