

KUSAL HETTIARACHCHI

Software Engineer - Data Science Enthusiast

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EXPERIENCE

Research and Development Engineer

Minds and Codes (PVT) Ltd.

📅 Oct 2020 – Ongoing 📍 Colombo, Sri Lanka

- Working on building a prototype for a reputation management system.
- Concepts and practises involved: dynamic web scraping, sentiment analysis, keyword extraction, named entity recognition, and micro-services.

Software Engineer

DFN Technology (PVT) Ltd.

📅 Jan 2019 – Sep 2020 📍 Colombo, Sri Lanka

- Lead developer in MTR and B2B projects. Mubasher Trade Router (MTR) and Bank To Bank (B2B) are two distributed and concurrent middleware products for integrating DFN client products with third party OMS and DFN OMS with client back-ends respectively.
- Concepts and technologies involved: Distributed systems, Enterprise service bus, Enterprise java beans
- Full-stack developer in Anti Money Laundering project.
- Technologies worked with: Akka, NodeJs, AngularJs, MongoDB, OracleDb

RESEARCH

Undergraduate Research

University of Moratuwa

📅 Nov 2014 – Dec 2018 📍 Moratuwa, Sri Lanka

- Application of ensemble machine learning algorithms to determine the landslide susceptibility. Integrating rainfall and landslide data from heterogeneous sources to build a data-set that would help to predict landslides in advance.

EDUCATION

B.Sc. Eng. (Hons) in Computer Science and Engineering

University of Moratuwa

📅 Nov 2014 – Dec 2018 📍 Colombo, Sri Lanka

- Second Class Upper Division with GPA - 3.68

G.C.E. (Advanced Level) – Physical Science Stream

Royal College, Colombo 07

📅 Jan 2004 – Aug 2013 📍 Colombo, Sri Lanka

- Z-score of 2.79 & Island Rank 9.

PUBLICATIONS

Conference Paper

International Conference on Data Management, Analytics and Innovation

📅 Jan 2019 📍 Petaling Jaya, Malaysia

- A Generalized Ensemble Machine Learning Approach for Landslide Susceptibility Modeling (Resource: https://doi.org/10.1007/978-981-13-9364-8_6)

PERSONAL PROFILE

A highly motivated all-rounder with the potential to push boundaries. Methodical. Quick learner. Loves problem-solving. A team player with keen leadership and communication skills.

INTERESTS

Data Science Machine Learning
Enterprise Search Deep Learning
Distributed Systems NLP
Information Retrieval

TOOL SET

Java Python Javascript Golang
Bash R Akka Solr Angular
Flask Spring Scikit Pandas
VisualVM JProfiler JMeter
Docker Kubernetes Linux GCP

SKILL SET

Honest Accountable
Problem Solving Team Player
Learning Analytical Thinking
Energetic Brainstorming

PERSONAL INTERESTS

Reading Fitness Movies
Philosophy Pool

REFEREES

Referees can be provided upon request