KUSAL HETTIARACHCHI

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ABOUT ME

A highly motivated individual with the potential to push boundaries. Methodical. Quick learner. Loves problem-solving. A team player with keen leadership and communication skills. Interested in the field of data analytics.

EDUCATION

BSc (Hons) in Computer Science and Engineering | 2014 - Present
University of Moratuwa
C-GPA up to 6th semester: 3.53

GCE Advanced Level Examination | 2013
Royal College, Colombo 07
Z-Score   : 2.79
Island Rank   : 9

EXPERIENCE

Software Engineering Intern
Market Data Backend

DirectFN Sri Lanka | Jun 2017 - Dec 2017

- Completed a research and development project for replacing the existing search backend with Apache Solr.
- Developed a tool which aided business analysts to translate and visualize the encoded market data feeds.
- Developed a deployment module for a set of backend services.
- Researched on the optimal use of Apache Cassandra for efficient storage of time series data.

Freelancer

Fiverr | 2018 - Present

- Completed 15+ projects for clients from US and Europe with utmost customer satisfaction.
- 5.0 rated Seller

PROJECTS

Ensemble Based Landslide Hazard Zonation and Early Warning System

Final Year Research and Development Project
                                Jan 2018 - Present
An ensemble based approach to predict landslide susceptibility in low-frequent zones. Susceptibility map building is completed. Technologies : Machine Learning, Data Integration, Python, Pandas, SKLearn, Numpy, Matplotlib

DengAI: Predicting Disease Spread

DrivenData Competition   Jan 2018 - Aug 2018
Achievement : Top 100 competitors
Technologies : Data mining, Machine Learning, Python, Weka, SKLearn

WarmUp: Predict Blood Donations

DrivenData Competition   Jan 2018 - Aug 2018
Achievement : Top 100 competitors
Technologies : Machine Learning, Data Mining, Python, SKLearn

Document Based Search Platform

Intern Project   Aug 2017 - Nov 2017
Technologies : Java, Apache Solr, Apache JMeter, Postman, Bash, Eclipse

Exchange Feed Monitoring and Decoding

Intern Project   Jun 2017 - Aug 2017
Technologies : Java, python, Visualvm, GNUPlot, Matplotlib

REMARE - A Restaurant Management System

Academic Project   Feb 2017 - Jun 2017
Technologies : Laravel, PHP, Bootstrap, CSS, HTML, MySQL

⭐ SKILL SET

Technical Skills

- **Languages**   Java, Python, PHP, Bash, HTML
- **Frameworks**   Laravel, Scrapy, Flask
- **Libraries**   Sci-Kit, Pandas, Matplotlib
- **Databases**   MySQL, SQLite, Cassandra
- **Build Tools**   Maven
- **Test Tools**   JMeter
- **Optimization Tools**   VisualVM
- **IDEs**   IDEA, PyCharm, VSCode, NetBeans
- **Version Control**   Git
- **Platforms**   Linux(Ubuntu), Windows
- **Enterprise Search Platform**   Solr

Soft Skills

- Leadership
- Analytical thinking
- Strong communication and interpersonal skills
- Adaptability
- Team work
- Positive attitude

🏅 AWARDS & RECOGNITIONS

MIND Institute

- MIND Scholarship awardee   *2017-2018*

University of Moratuwa

- Dean's List Distinction   *2016*
- 3rd year colorsman   *2016-2017*

Royal College

- Dr. J. Nanayakkara Memorial Prize   *2013*
- Overall 2nd best performer for Royal
  College in GCE A/L   *2013*
- Dr. G.C.I. de Silva Memorial Prize   *2013*
- De Soyza Science Prize   *2013*
- E.W. Perera Memorial Scholar   *2010*
- Earle de Zoyza Memorial Prize   *2010*

📚 PUBLICATIONS

Conference Proceedings (Accepted)

"ENSEMBLE BASED LANDSLIDE SUSCEPTIBILITY MAP BUILDING FOR LOW FREQUENT ZONES" - ACRS 2018

🏃 SPORTS

Athletics (Short Distance Sprinting)

Finalist
Inter University Games (IUG)	*2017*
Sri Lanka University Games (SLUG)	*2016*

Best Athlete
*Flying Shoe	University of Kelaniya*	*2016*

Participant
Junior Tarbet Athletic Championship	*2006*

Cricket

Champion
MIT International Mora Sixes	*2016*
Inter University Games	*2015*

Quarter-finalist
Sri Lanka University Games	*2016*

⚛ EXTRA-CURRICULAR ACTIVITIES

University of Moratuwa

IEEEXtreme 11.0
Island 15th (3 persons team)	*2017*

IEEEXtreme 10.0
Island 14th (3 persons team)	*2016*

Royal College

Champion
*All Island Chemistry Quiz	University of Colombo*	*2013*

Active Member
College Chemistry Quiz Team	*2012 - 2013*
Astronomical Society	*2012 - 2013*

Committee Member
TERRA '12 Astronomical Workshop	*2012*

Junior prefect   *2008*

🙌 VOLUNTEERING EXPERIENCE

University of Moratuwa

Batch Representative
Engineering Faculty Students Union	*2016*

PROFESSIONAL AFFILIATIONS

Student Member

- IESL   *2017 - present*
- OREPA Student Chapter   *2015 - present*
- IEEE   *2015 - 2018*

PERSONAL INTERESTS

- Reading
- Cosmology
- Pool and Snooker
- Comics
- Classical Movies

REFEREES

Dr. Uthayasanker Thayasivam
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Senior Lecturer
University of Moratuwa
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Big Data Consultant
SparkGrid
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I do hereby certify that the above particulars are **true and accurate** to the best of my knowledge.