THUSHARA R. BANDARA

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SUMMARY

A confident speaker and an inspirational lecturer, able to impart advanced theories and other information to audiences of all levels. I am encouraged by my passion, curiosity and aspiration as a researcher in Computer Science. Research in Machine Learning, Computer Vision and Data Science are my current priorities. I have the capacity to take responsibility based on given opportunities and the ability to accept new challenges.

WORK EXPERIENCE

University of Peradeniya, Faculty of Science, *March 2019 - Present*
Department of Statistics and Computer Science. *Temporary Lecturer in Computer Science*

Prepare lecture notes.
Conduct lectures & practical sessions.
Prepare & mark exam papers.

▫ BC 301 - Basic Computing - Instructor & In-charge (2019).
▫ CS 104 - Structured Oriented Programming Practical - Instructor (2019).
▫ CS 105 - Object Oriented Programming Practical - Instructor (2019).
▫ CS 202 - Data Structures Practical - Instructor (2019).
▫ CS 308 - Computer Graphics Programming - Instructor & In-charge (2019).
▫ CS 404 - Parallel processing - Tutor (2019).
▫ CS 413 - Information and Network Security - Tutor (2019).

University of Peradeniya, *March 2019 - Present*
Postgraduate Institute of Science. *Visiting Temporary Lecturer*

Prepare lecture notes.
Conduct lectures & practical sessions.
Prepare & mark exam papers.

▫ IT 508 - Document Markup Languages (Lab) - Instructor & In-charge (2019).
▫ ESR 514 - Numerical Methods and Algorithms in RS and GIS - Instructor & In-charge (2019).

FriMi Digital Bank, *November 2018 - February 2019*
Nations Trust Bank PLC, Colombo, Sri Lanka. *Data Analytics Intern*

Apply advanced analytics techniques to solve business problems: predictive modeling using deep learning, clustering, customer segmentation, decision trees etc.

Accomplish business intelligence: Tableau Desktop, Tableau Bridge and Tableau online platforms.

RESEARCH EXPERIENCE

December 2018 - Final Year student developed an Autoencoder based Image Compression Algorithm using Deep Learning, Image Processing and Signal Processing.

EDUCATION

University of Peradeniya, Faculty of Science, *January 2015 - December 2018*
Department of Statistics and Computer Science.
B.Sc. in Computer Science (Special) Honors.
Second Class Upper | Computer Science GPA - 3.63/4.00 | Overall GPA - 3.46/4.00.
Subjects - Computer Science | Mathematics | Physics.

Kingswood College Kandy. *August 2013*
GCE Advanced Level Examination.
Combined Mathematics | Chemistry | Physics.

GCE Ordinary Level Examination. *December 2009*

ACTIVITIES

Organizing Committee member of International Conference on Environmental and Medical Statistics (ICEMS) 2020, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka.

Organizing Committee member of Industry Day 2019, Faculty of Science, University of Peradeniya, Sri Lanka.

STRENGTHS

Programming Languages	Python (Numpy, Matplotlib, Pandas, Scikit-learn, Scikit-image, Pillow, Tkinter, Tensorflow, Keras, Theano), R (Base, Rshiny), Java, C, C++, SQL.
Applications	Git, GitHub, Anaconda Distribution, MS Office Package, MySQL, Cygwin, RStudio, Android Studio.
Skills	Self-learning, Communicative, Organization skills, Teamwork.
Professional Language Proficiency	English, Sinhala.

NON-PEER-REVIEWED(NPR) WORK

Analysis based on Boston crimes data from Kaggle. **Oct 2019.**

Research Entry: A Research Paper Management System developed to store publications and engage with events and news related to the author's interest. **Dec 2017.**

PERSONAL

Confident Speaker. Researcher. Single. 26 years. Male.