

# THUSHARA R. BANDARA

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## SUMMARY

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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

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**University of Peradeniya, Faculty of Science,**  
Department of Statistics and Computer Science.

*March 2019 - Present*  
*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,**  
Postgraduate Institute of Science.

*March 2019 - Present*  
*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,**  
Nations Trust Bank PLC, Colombo, Sri Lanka.

*November 2018 - February 2019*  
*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

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

## EDUCATION

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**University of Peradeniya, Faculty of Science,  
Department of Statistics and Computer Science.**

*January 2015 - December 2018*

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

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Organizing Committee member of Industry Day 2019, Faculty of Science.

## STRENGTHS

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**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

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[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

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