

Imesh U. Ekanayake

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OBJECTIVE

A committed, adaptive and Solution orientated leader who is passionate in research and innovations while keeping continues learning and imagination as the best asset. I believe DATA can speak about the present and future more accurately than any expert.

EDUCATION

Bachelor of the Science of Engineering (BSc.Eng)

University of Peradeniya
Specialization: Computer Engineering

CIMA – Operational Level

At Achievers Business School

Machine Learning Stanford University (Coursera.com)

Credentials: G7QFTWRYEVY6

TensorFlow Specialization by deeplearning.ai (Coursera.com)

Content – NLP, CNN, Time Series, LSTM

Google Data Engineer Specialization (Coursera.com)

Content – Data Pipelining, Data Storing and Distributed Processing

AI for Medicine by deeplearning.ai (Coursera.com)

Content – AI for (Diagnosis, Prognosis, Treatment)

** Credentials for the online courses are there at LinkedIn profile

PROFESSIONAL EXPERIENCE

(2015)

Research Assistant (Under Dr.Chandana Gamage)

Department of Computer Science Engineering

University of Moratuwa.

Research on an animal detecting system for Hambanthota Open Park

2020-feb (Present)

Casual Instructor

Department of Computer Engineering

University of Peradeniya

PUBLICATION

- Chronic Kidney Disease Prediction from Machine Learning Classification (Under Review)
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PROJECTS (selected)

**All projects can be find at: <https://github.com/imesh059>

Voice Recognition

An application which uses to recognize voice by using Fourier transformation and Machine Learning
Contribution - Designed and built Machine Learning model and Fourier transformation.

LEGO-IoT

By using the concept of LEGOs, built discrete IoT components which can combine through a web platform and arrange logic to come up with an integrated system.
Contribution - Created the logic structure and embedded devices.

DATA over Sound

Send Data via ultra sound waves to minimize the energy consumption in short range networking for like (wireless input devices for PCs and other Systems or for in class voting poles like Kahoot without connecting to the internet)
Contribution - Designed and implemented the mobile app and worked on noise cancelling algorithm.

SAP1 (8-bit Computer)

Built and designed the 8bit computer in gate level. Which is related to computer architecture.
Contribution - Designed the data bus, the clock and two main registers.

Sinhala Letter Recognition

Built a neural network to learn the Sinhala letters using OCR.
Contribution - Designed and built the neural network.

Bidding Platform for Stock Market

Built a stock market platform to bid on and a bidding history analyzer to predict the stock price.
Contribution - Designed the history analyzer using machine learning and worked on the socket programming part to create the data tunnel.

Finite Element Analysis Software

A system designed to analyses finite element models in 3D and 2D space, currently commercially there are 2 software using for linear range analysis and non-linear range analysis, so where have to buy both software. From a research done in the civil department they came up with a new iterative method to solve the systems more accurately and we designed the software based on the theory.
Contribution - worked on the Structural Level analysis by merging the Element level and fiber level analysis.

AWARDS

- Google **CodeJam** 2017 (Top 10 in Country of 25,000 global participation)
 - Participation - IEEEExtreme 12.0 Worldwide **Coding** Competition (Top 500 in the world)
 - Participation - IEEEExtreme 13.0 Worldwide **Coding** Competition (Top 300 in the world)
 - Second place - Network & Systems category - ACES Hackathon 2017
 - First place – Dialog App Challenge 2016
 - Finalists – Dialog Chromium Collision 2018
 - 1st place ACES Hackathon 2019
 - Finalist – HackX organized by University of Kelaniya
 - 6th place Dialog **Datathon** 2019 (Open event)
 - 3rd place **Data Storm** organized by University of Moratuwa with John Keels Holdings
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VOLUNTARY WORK

- Congress Committee *Manager for Partnership Development* – International Congress of AIESEC
- Local Committee *Vice Precedent - Business Development* (AIESEC Sri Lanka)
- President and *Cofounder of Mozilla Club* of University of Peradeniya.
- *Volunteered in Bologna, Italy* as a (Visiting Facilitator) for High School Student about Communication.
- Microsoft Student Partner