LASITHA RANASINGHE

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PROFILE

Self-motivated, passionate and team oriented individual drove by the personal objective to achieve the best results with excellent communication skills while fulfilling the organizational goals.

EDUCATION

Undergraduate - University of Moratuwa, Sri Lanka
B.Sc. Engineering(Hons) Electronic and Telecommunication
2016 - Present
- CGPA-3.21 (After 6th semester) | Semester 1,6 Dean's List

Secondary Education - Matara Central College
G.C.E. Advanced Level Examination
2015
- 3As | District Rank-5 | Island Ranks-46 | Z-Score-2.6739

WORK EXPERIENCE

TRAINEE | DIALOG AXIATA PLC
JUN 2019 - DEC 2019
Transport Network Planning Division
Projects Involved :

- PTP(Precision Time Protocol)synchronization test
  - POC was done to the demo test plan for MiCLK-RAD's PTP Edge Groundmaster on SFP
- Segment Routing
  - SR test setup was established in Kala test bed and tested some test cases with N-Able.
- Metro Network Optimization
  - Modified CETR-Main region into 3 rings according to the network traffic forecast.
- Multicast streaming network solution for radio and television channels
  - Discovered different encoders & decoders currently available and selected the best, fit with our requirements

SKILLS

Programming Skills - Python, Matlab, Java (basic)
Tools - Altium, Solidworks, Arduino, Android Studio

INTERESTS

Telecommunication   Computer Networking & Security

Programming   Cloud Computing   Internet of Things

Data Analytics   Software Development

PROJECTS

- **WiFi for cooperative vehicular network (FYP)**
  Jan 2020 - Present
  - Vehicles transmit their details using WiFi beacon messages - Simulation using Omnet++
- **Indoor navigation using BLE beacons**
  Feb 2020 - Mar 2020
  - BLE beacon messages were scanned using ESP32 & RSSI data was uploaded to MQTT server
- **Image Down Sampler**
  Apr 2019 - June 2019
  - Custom processor to down sample an image using FPGA
- **Semester Projects**
  - Remote controlled car | 2nd semester
  - Analog wall following robot | 3rd semester
  - Fish Feeder | 4th semester

CERTIFICATIONS

- Machine Learning | Coursera (Aug 2019-Dec 2019)
- Cloud Computing | LinkedIn (Dec 2020)

ACHIEVEMENTS

- Mahapola Merit Award | 2015
- IEEEXtreme 12.0 | Country Rank-151 | World Rank-1593
- MoraXtreme 3.0

LEADERSHIP ROLES

- President-Matara District Engineering Professionals' Association
- Organizing Committee Member - EFSU
- Group Representative - University of Moratuwa

REFERENCES

Prof. Dileeka Dias
Department of Electronic and Telecommunication Engineering
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Mr. Hasitha Seneviratne
Consultant - Transport Network Strategy, Technology Strategy, Planning and Development
Dialog Axiata PLC
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