Kuruparan Shanmugalingam

69 ,srinivasam lane ,kottady ,Jaffna 40000,
Sri Lanka.

☐ Mobile - 0778314768 | ☐ kuruparan4@gmail.com | ☐ Residence -021-222-8722 |
https://www.linkedin.com/in/kuruparan-shanmugalingam-95b921b2 | https://github.com/kuruparan |
http://developemyself.blogspot.com

"As a young energetic, hardworking Undergraduate Student of Electronics and Telecommunication Engineering with a lot of inventive ideas and keen enthusiasm, to work on Areas related to sensor fusion & Machine Learning, Deep Learning, IOT , ,Computer Vision, Wireless & mobile Communication ,telecommunication core networks , networking &Security ,Optics , Analog & Digital IC design, FPGA based advanced Digital system or related areas in Artificial Intelligence in IOT with a view to becoming an accomplished Electronics and Telecommunications Engineer."

Education

University of Moratuwa   Sri Lanka
BSC ENG HONS IN ELECTRONICS AND TELECOMMUNICATION ENGINEERING   Feb 2014 - Dec 2018
GPA -3.775 (Out of4.2)
Calculated that
GPA -3.75 (Out of 4)

Advanced Diploma in JAVA programming   CSC,India
                                                                              Aug 2010

Jafnna Hindu College   & Jaffna Hindu Primary   Jaffna ,Sri Lanka
PRIMARY AND SECONDARY EDUCATION   Jan 2000- Aug 2013
• Passed GCE Ordinary Level Examination (2010) – 9 'A' Grade Pass
(including English Lit, ICT, Commerce)   **District Rank 4**
• Passed GCE Advanced Level Examination (2012)

  Combined Maths   A
             Physics   A
          Chemistry   A
             Z-score   2.6668
             District Rank 4
             Island Rank 22
• Passed GCE Ordinary Level Examination (2014)   2nd Language
Sinhala– B Grade Pass

Experience

MILLENNIUM INFORMATION TECHNOLOGIES (PVT) LIMITED
SriLanka
RESEARCH ENGINER
Feb. 2019 -Present
Building Artificial Intelligence models and Applying Deep learning and machine learning techniques for Real Life Applications

INTERNATIONAL SUMMER SCHOOL OF NATURAL LANGUAGE PROCESSING
SriLanka
March 11-March 24
Corpus Computation, Argument Mining ,Linguistics for NLP ,Deep learning for NLP ,Sentiment Classification using Self Attention Transformers ,Morphological Analyzer ,Parser by rule based ,etc

MIT-SUTD INTERNATIONAL RESEARCH CENTER
Singapore
RESEARCH INTERN
July. 2017 - Dec 2017
   Successfully completed a projects titled "Intrusion Detection and prevention" ," carpark localization using BLE and NBIOT ", "Top View headcount camera using traditional signal processing way and TensorFlow" ,"hospital automotive sensor system and occupancy detection system" ,"Raspberry Pie Local broker Robust and duplication" under the guidance of Prof. Yuen Chau & Benny Ng Kaikiat

RESEARCH INSTITUTE FOR BIO SYSTEM AND NANO DEVICES, UNIVERSITY OF HIROSHIMA
Japan
RESEARCH STUDENT
July. 2018 -Aug 2018
Successfully Designed and Fabricated ,packaged hands-on experience in CMOS SI technology ICs ,VCO-ring oscillator characteristics are analyzed .

SENZMATE IOT INTELLEGENCE (PVT) LIMITED- Collaboration with YIT
SriLanka
ASSOCIATE RESEARCH ENGINER
June. 2015 -Dec2018
IOT hardware platform development and marketizing ,successfully launched the project DIA

TEACHER / LECTURER, SriLanka
Self Employed Business
June. 2015 -Present
University Modules , Machine Learning ,Mathematics ,physics for Advanced level and London AL

ACHEIVEMENTS

2011   president Dinner and and award for G.C.E O/L results excellency

2012   Full Scholarship India Trip awarded for Northern Province Quiz winners

2013   SriLanka Insurance Island first 25 rank holders awards

2014   three-week training program in Developing Leadership Qualities and Positive Thinking conducted by Ministry of Higher   Education Sri Lanka in Minneriya ArmyBase

2019   ISSALE 2019 NLP summer International Symposium successful delegate

Projects Completed

2019   **One-Shot learning Facial Recognition Attendance Marking**

2019   **Non-performing loan prediction based on economic and personal factors**

2019   **Corporate Email Classification using Deep Natural Language Processing**

2019   **Liveliness Detection & Facial Recognition System for Digital Onboarding**

2018   **Harsh Environment wireless communication & IC design   @FYP &External company project**

2018   **NBIOT based dock less bicycle sharing system   @Mobitel NB-IOT hackathon**

2014   **Smart Agriculture and water controller   @TadHack-2014**

2015   **Smart energy consumption meter and fault forecasting system   @ YGC-2015**

2017   **Smart Oil Lamp**

2016   **Smart fire alarm detection system**

2017   **BLE based advertising and carpark Localization**

2017   **Robust hospital management system and centralized broker using sensor fusion and BigData**

2017   **Motion detection using background subtraction , Kalman filtering and Hungarian algorithm**

2017   **KLT Feature Tracker &Optica Flow**

2017   **headcount detection in deep learning**

2016   **UART IP development**

2016   **Processor Implementation on FPGA for downsampling an image**

2018   **CRC calculating SOC in vertex board**

2015   **Firefighting Robot in PIC microcontroller**

2016   **Wall following, Line following maze solver robot**

2016   **Signal processing in MATLAB with various implementation of filters**

Extracurricular Activity

Northern Province Quiz Team
- Conducted Inter School Competitions with in northern province
- Winning Team Captain of Inter House Quiz Competition

Active member and volunteer at Yarl IT HUB (YIT)
- mentored YIT-juniors innovation challenge

Tamil Literary Association & Debate Club

MEMBER
- Semi Finalist in Inter School Debate Competition
- Organizing committee member in inter school competitions and cultural event.

Karate

PURPLE BELT

Cricket

YOUTHWING 2013 BATCH TEAM

Non-Related Referees

Dr.Jayathu Samarawickrama
Department of Electronics and Telecommunication
university of moratuwa
B.Sc. Eng. (Moratuwa), M.Sc. (Moratuwa), Ph.D. (UNIGE and IIT, Italy), MIEEE
Extension   : 3324
Email   : jayathu@ent.mrt.ac.lk
Web   : www.ent.mrt.ac.lk/~jayathu

Dr.Tharaka Samarasinghe
Department of Electronics and Telecommunication
university of moratuwa
B.Sc. Eng. (Moratuwa), Ph.D. (Melbourne) MIEEE
Room   : EB223
Extension : 3323
Email   : tharaka@ent.mrt.ac.lk
Web   : www.ent.mrt.ac.lk/~tharaka