



RASHEN FERNANDO

ELECTRICAL & ELECTRONIC
ENGINEER

PROFILE

I am a skilled undergraduate seeking for a trainee position where I can shape up my skills in engineering, R&D and working in collaborative teams from multiple domains to groom my career under the guidance of experts in multiple domains.

MY SKILLS

PROGRAMMING



SOFTWARE



CONTROL SYSTEMS



SIGNAL PROCESSING



MACHINE LEARNING



ROBOTICS



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WORK EXPERIENCE

Engineering Intern

Nov 2019 - Jan 2020

SLINTEC

- Electrical wiring and load demand calculation.

PROJECTS

Blind Source Separation

- Machine learning, Python, Pytorch, Signal processing

Mini quadcopter

- esp32 micro-controller, Arduino.

Frequency reactive LED lights

- esp32 micro-controller, FFT, STFT, Arduino, C.

Stock prediction

- Machine learning, PCA, FDA, Matlab.

Obstacle avoiding robot

- pic16f877A micro-controller, Assembly language.

Other

- Digital Spirometer, Flowmeter, Logic Gate level implementation of a 4-digit pass-code lock, Simple memory game using Arduino, Parity Bit checker, Analog Line Follower (PD Controller based).

MATHEMATICS



PROBLEM SOLVING



CREATIVITY



LEADERSHIP



ENGLISH



OTHER SKILLS

FL Studio
Adobe Photoshop
Adobe Premiere Pro
Adobe Audition
Blender
Soldering
Rapid prototyping
Verilog

INTERESTS

Machine Learning
Embedded Systems
Robotics and Automation
Signal Processing
Virtual Reality
Mathematics
Music
Public Speaking

REFERENCE

Dr. Janaka Wijayakulasooriya

Senior Lecturer at Department
Of Electrical and Electronic
Engineering , UOP

Dr. Pantaleon Perrera

Senior Lecturer at Department
Of Engineering Mathematics ,
UOP

EDUCATION HISTORY

BSc. Electrical & Electronic Engineering(Hons.)

Jan 2018 -Present

University Of Peradeniya

GPA - 3.5

Coursera

- Deep Learning by deeplearning.ai
- 3D Models For Virtual Reality by University of London
- Ariel Robotics by University Of Pennsylvania
- The Art Of Music Production and Developing your Musicianship by Berklee College Of Music

G.C.E Advance Level Examination

2016

Trinity Collage Kandy

Chemistry (A), Combined Mathematics (A), Physics (B)

G.C.E Ordinary Level Examination

Trinity Collage Kandy

'A' passes for all 9 subjects.

EXTRA CURRICULAR

Toastmaster

- Pathways Dynamic Leadership Level 3 completed

Music Society University Of Peradeniya

- Editor, Social Media Manager.

Music

- Institute of Western Music And Speech Theory-(Grade 1-5)
- Institute of Western Music And Speech Practical-(Grade 1-5)
- Singer/Songwriter/Producer
- Guitarist

Basketball

- University representative

Youtuber

- Regarding engineering projects and music.

Runner up

- Synopsis "Inno Champ", Hackathon, IEEEExtreme