

# DILSHAN DESHAPRIYA PERERA

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## ABOUT ME

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Fresh engineering graduate from University of Moratuwa, Sri Lanka looking for opportunities in computer science industry to gain experience while contributing maximum for the company

## EDUCATION

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University of Moratuwa, Sri Lanka

*B.Sc. Engineering Honours Degree*

2017 - Present

- Electrical Engineering Major
- CGPA: 3.2/4.2, Dean's List: Semester 6
- Related Modules: Programming Fundamentals, Visual Programming, Computer Systems and Graph Theory

Royal College, Colombo, Sri Lanka

*G.C.E. Advanced Level & G.C.E. Ordinary Level*

2008 - 2016

- G.C.E. Advanced Level Examination Results: AAB, 2.01 Z score, 179th District Rank (Colombo), 617th Island Rank, Physical Science Stream (Pure and Applied Mathematics, Physics, Chemistry)
- G.C.E Ordinary Level Examination Results: 9 Distinctions
- 4 Time Class 1st Prize Winner, 9 Time Subject 1st Prize Winner (3 for Information Technology)

Online Courses

*Online Course Completion Certificates*

2022 - Present

- Python: Intermediate Python Course (Sololearn), Python Core Course (Sololearn), Python and Flask Demonstrations Practice Course (Udemy), Python Data Structures Course (Sololearn), Python for Beginners Course (University of Moratuwa), Python (Basic) Certificate (HackerRank), Python for Beginners Course (Sololearn), Intro to Programming (Kaggle)
- Machine Learning and Data Science: Machine Learning Course (Sololearn 26% complete), Basics of Machine Learning (Great Learning), Python for Data Science Course (Sololearn), Introduction to Neural Network (Great Learning), Data Science (Sololearn 29% complete)
- Web Development: Web Design for Beginners Course (University of Moratuwa), HTML Course (Sololearn 32% complete), React + Redux Course (Sololearn 30% complete), Django Tutorial for Beginners (Programming with Mosh), Python and Flask Demonstrations Practice Course (Udemy)
- Database Management: SQL Course (Sololearn)
- Java: Java Programming Fundamentals Course (Udemy), Java Course (Sololearn)
- Database Management: SQL Course (Sololearn)
- DevOps: DevOps Fundamentals Course (Udemy)
- C++: C++ Course (Sololearn 21% complete)
- Other: Hardware and Software Course (Wytech (Pvt) Ltd)

## WORK EXPERIENCE

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Transmission Construction Projects Branch, Ceylon Electricity Board, Nugegoda, Sri Lanka <i>Electrical Engineering Intern</i>	2021 - 2021
Bela International (Pvt) Ltd, Colombo, Sri Lanka <i>Electrical Engineering Intern</i>	2020 - 2021
Fuel Farm, Bandaranaike International Airport, Katunayake, Sri Lanka <i>Electrical Engineering Intern</i>	2020 - 2021

## SKILLS

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### Language skills

- English, Sinhala

### Intermediate knowledge on:

- Python, MySQL, HTML5, Java, Visual Studio Code, IntelliJ IDEA, PyCharms, Code Blocks, JupyterLab

### I have worked with:

- C++, CSS3, JavaScript, Django, Flask, Jupyter Notebook, Git, Git Bash, GitHub, MATLAB, Arduino, Visual Basic, C, React, Redux, PowerShell, Anaconda, SQLite, SQLAlchemy

## PROJECTS

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### A Novel Controller for Virtual Synchronous Generator with Energy Storage System to Improve Power System Inertia

- This is the final year group project for the module 'Design Project'. Project was supervised by Dr. Asanka Rodrigo. This project involves a MATLAB Simulink model to simulate how a virtual inertia system can improve the stability of a power system which has high renewable energy penetration during a disturbance using energy storage

### Speed Detector Using Arduino and Infrared Sensors

- This is a group project done for the module 'Engineering Design'. We designed an Arduino model to calculate speed of a moving object with the use of infrared sensors

### Development and Upgrading of Fuel Hydrant System at Bandaranaike International Airport

- This project is done by Bela International (Pvt) Ltd and WEC. During my internship period I was involved with this project and contributed with some designs, calculations and reports

### Computer Shop Webpage Design

- This is a simple webpage design for the course 'Web Design for Beginners' conducted by Department of Computer Science Engineering, University of Moratuwa. I used HTML, CSS and JavaScript for this project

### Calculator with History

- This is a calculator program developed for the course 'Python for Beginners' conducted by Department of Computer Science Engineering, University of Moratuwa. I used Python for this project

### Titanic Survivor Prediction Logistic Regression Machine Learning Model

- This project is related to Sololearn Machine Learning course. Here, creating the model for given data, predicting results and scoring the model is done

For more projects visit: <https://github.com/dilshvn>

## LEADERSHIP AND VOLUNTEERING

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Batch Representative, Department of Electrical Engineering, University of Moratuwa

- The communication line between academic staff, administration and 100 students in the department was maintained. Involved with coordinating a lot of Department and University events (Helakam Kala, We Are With You, Inauguration of 18<sup>th</sup> Batch, etc)

Representative, IESL (The Institution of Engineers Sri Lanka) Student Chapter, University of Moratuwa

In charge of School Affairs, Committee Member and Project Chairman, OREPA (Old Royalists Engineering Professionals' Association) Student Chapter

Member of Rotaract Club, University of Moratuwa

- Involved with projects (Grama Probodaya, Zooxanthellae, etc)

Treasurer, OSU Charity Organization

Member of IESL (The Institution of Engineers Sri Lanka), EESoc (Electrical Engineering Society) of University of Moratuwa, RCU (Royal College Union), 'Api' Charity Organization, Royal College Art Circle

## REFERENCES

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Dr. Ravi Wijesiriwardana

- Senior Lecturer Grade I, University of Moratuwa, Sri Lanka
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Dr. Thushara Rathnayake

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