Dilshan Perera

+94 75 314 2771
dilshvn@gmail.com
Gampaha, Sri Lanka
linkedin.com/in/dilshvn
github.com/dilshvn

Fresh engineering graduate from University of Moratuwa, Sri Lanka with strong analytical skills and leadership qualities who is passionate about **Machine Learning, Data Science, AI, Data Analysis and Data Engineering**

TECHNICAL PROJECTS

Boston Housing Price Prediction Model
- Built a multivariate linear regression model to predict housing prices based on Boston, USA housing dataset using scikit-learn and pandas

Iris Plant Species Classification Model
- Built a multivariate classification model to classify iris plant species based on scikit-learn iris plant dataset using scikit-learn, pandas and knn method

Win Probability Prediction of a Dice Rolling Game
- Used hacker statistics to find the probability of winning a bet on dice rolling game using random number generators, loops and matplotlib

K-means Clustering Model to Classify Wine Type
- Built a multi-feature clustering model to group wine type based on scikit-learn wine dataset using scikit-learn, pandas, numpy and k-means method

Exploratory Analysis on Netflix Dataset
- Exploratory analysis on Netflix dataset to investigate if Netflix movies are getting shorter in duration over years using pandas and matplotlib

Titanic Survivor Prediction Model
- Building (in progress) logistic regression model to predict survivors based on Titanic passenger dataset using pandas and matplotlib

WORK EXPERIENCE

Machine Learning Engineer: Grass Karma, Australia
Nov 2022 - Present
- Building autonomous mowing robots to optimize lawn mowing of natural strips (Contribution-based project)

Intern: Transmission Construction Projects, CEB
April 2021 - May 2021
- Designed switchyard design after inspecting using AutoCAD
- Designed transmission line and tower design using PLS CADD

Intern: BELA International (Pvt) Ltd, Colombo and worksite at fuel farm, BIA
October 2020 - April 2021
- Modified lighting system design for fuel farm of BIA using DIALux
- Assisted with the project: Development and upgrading of fuel hydrant system at BIA

LEADERSHIP AND VOLUNTEERING

Batch Representative, Dept of Electrical Engineering
- Represented 100 students of Department of Electrical Engineering, University of Moratuwa

Clubs and Societies
- Representative, IESL student chapter, University of Moratuwa
- In charge of school affairs, OREPA student chapter
- Member of Rotaract Club (University of Moratuwa), IESL, EESoc (University of Moratuwa), RCU, Art Circle (Royal College), OSU charity orgs and Api charity org

EDUCATION

B.Sc. Engineering (Electrical)
- University of Moratuwa, Sri Lanka (2017 - Present)
- 3.2/4.2 GPA, Sem 6 Dean's List

G.C.E A/Level
- Royal College, Colombo (2008-2016)
- AAB with 2.01 Z score

Online Courses
- Intermediate Machine Learning (Kaggle)
- Unsupervised Learning in Python (DataCamp)
- Data Visualization (Kaggle)
- Supervised Learning with scikit-learn (DataCamp)
- Python for Data Science (Sololearn)
- Machine Learning with Tree-Based Models in Python (DataCamp)
- Data Science (Sololearn)
- Extreme Gradient Boosting with XGBoost (DataCamp)
- Linear Classifiers in Python (DataCamp)
- Cluster Analysis in Python (DataCamp)
- Basics of Machine Learning (Great Learning)
- Intro to Machine Learning (Kaggle)
- Introduction to Neural Network (Great Learning)
- Pandas (Kaggle)
- Data Manipulation with Pandas (DataCamp)
- Joining Data with Pandas (DataCamp)
- SQL (Sololearn)
- Python Core (Sololearn)
- Intermediate Python (DataCamp)
- Intermediate Python (Sololearn)
- Python and Flask Demonstrations (Udemy)
- Python Data Structures (Sololearn)
- Python for Beginners (University of Moratuwa)
- Python for Beginners (Sololearn)
- Introduction to Python (DataCamp)

In progress
- Machine Learning (Sololearn)
- Dimensionality Reduction in Python (DataCamp)
- Feature Engineering (Kaggle)
- Python for Data Visualization (LinkedIn Learning)