Prabowo Setiawan

Contact

Jakarta, Indonesia
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LinkedIn
GitHub

Education

BE in Mechanical Engineering
Stony Brook University
2014 - 2018
Graduated *Summa Cum Laude*

MSc(Eng) in Adv Mechanical Eng
University of Leeds
2018 - 2019
Graduated *Distinction*

Skills

Python
SQL
C++
Machine Learning
Deep Learning
Reinforcement Learning
MATLAB & Simulink

Certifications

Udacity Data Scientist Nanodegree
Udacity Deep RL Nanodegree

Relevant Coursework

Data Science
Data Engineering
Software Engineering
Recommendation Engine
Deep Learning
Deep Reinforcement Learning

Objective

Prabowo is a Data Engineer and Analyst who has profound interest in Data Science. He is currently looking to improve his skills in the field, especially oriented towards Machine Learning.

Work Experience

Data Engineer & Analyst at FinAccel
Nov 2020 - Current

- Designed and implemented data pipeline to process structured data from Amazon S3 and SQL databases using PySpark through EMR and stored resulting data in Amazon Redshift
- Deployed automated ETL processes using Apache Airflow with hourly and daily schedules
- Migrated table sources by replacing them with modeled data warehouse tables on significant metrics dashboards
- Contributed to the initial documentation project for both business and technical users

Data Analyst / Scientist at BP Tapera
Aug 2020 - Nov 2020

- Developed simulation of liquidity management for several years in the future using Python and Numba for code optimization
- Regularly developed and updated dashboards using Tableau
- Applied several machine learning models as needed, such as classification for predictive modelling in determining significant data features and clustering for members/customers segmentation in Python

Projects

Udacity Capstone: Starbucks Challenge

- Developed a thorough analysis on Starbucks rewards app program including building a predictive model to further improve its success (medium link)
- Built a machine learning model in predicting customer behaviors while avoiding underfitting and overfitting

Flight Control of Launch Vehicle with ANN

- Modeled a 2D rocket's dynamics system following a gravity turn using MATLAB and Simulink
- Incorporated thrust vectoring control system mimicking Saturn V rocket simplified within 2 dimensional space
- Neural network was placed on top of the control system as additional correcting control