

# AVNISH PAL

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in avnish-pal

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## EXPERIENCE

### Machine Learning Scientist

#### Taiyō AI

📅 Jan 2020 – March 2021

- Implemented ML Pipeline for Monthly Steel Exports of China consisting models like **LSTM**, **GRU**, **CatBoost**, etc.
- Working on **Grafana** and **Django** based web application dashboards for clients like **Tata Steel**, **Bouygues**, and **Bloomenergy**
- Contributed new **data harvesters** from sources like **UN Comtrade**, **WTO**, **Investing.com**, etc. to the ML Pipeline.
- Worked on a **trader** agent that benchmark-ed at **22% annual returns**, consistently beating **S&P 500**.

### Machine Learning Scientist Intern

#### Taiyō AI

📅 Sep 2019 - Dec 2019

- Created an **asset recommendation tool for investors** that shortlists the **top 10 assets from S&P 500 index** for investment.
- Researched and implemented **classification models on financial time-series data**.

## PROJECTS

### DataWiz (Data Pipeline GUI Application)

#### python, django, dash, plot.ly, bootstrap

📅 October 2020 – December 2020

- End-to-End data science pipeline application.
- Supervised development and integration of all the components.

### Courser (Flutter Mobile Application)

#### dart, flutter, firebase

📅 March 2019 – April 2019

- Search engine for online learning resources.
- Supports user contributions, reviews, and upvotes.

### Stock Tracker (Stock Market Dashboard)

#### python, dash, plot.ly, iexfinance api, bootstrap

📅 December 2018 – January 2019

- Takes the ticker symbol of that company as input and plots price fluctuations of stock with latest OHLC data.

### Flaskerizer (Python Library)

#### python, flask

📅 September 2018 – September 2018

- Optimized code for parsing links. Reduced application run-time by 7 folds.

## EDUCATION

### B.Tech in Information Technology

#### Guru Gobind Singh Indraprastha University

📅 July 2017 – Present

### High School

#### Rich Harvest Public School

📅 June 2014 – May 2016

## SKILLS



## ACHIEVEMENTS

- 4\* (Python) on HackerRank
- Scholarship Recipient of SUSE Cloud Native Foundations Program 2021

## PARTICIPATION

- Subsurface Cloud Data Lake Conference Winter 2021
- University of California Berkeley Skydeck Fall 2020

## CERTIFICATION

- Deep Learning with Python - DataCamp
- Portfolio Risk Management with Python - DataCamp
- Docker Labs - KodeKloud
- Statistical Thinking in Python - DataCamp
- Data Visualization with Bokeh - DataCamp
- Data Cleaning with Python - DataCamp