

AVNISH PAL

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EXPERIENCE

Machine Learning Scientist

Taiyō AI

📅 Jan 2020 – March 2021

- Member of University of California Berkeley Skydeck Fall 2020.
- 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.

Machine Learning Scientist Intern

Taiyō AI

📅 Sep 2019 - Dec 2019

- Worked on a **trader** agent that benchmark-ed at **22% annual returns**, **consistently beating S&P 500**.
- 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.

ACHIEVEMENTS

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

EDUCATION

B.Tech in Information Technology

Guru Gobind Singh Indraprastha University

📅 July 2017 – July 2021

SKILLS

Python Keras TensorFlow Dash
Plot.ly Grafana C/C++ Java
JavaScript HTML CSS SQL
Bash Linux Requests Selenium
Django Git Flask Docker
Kubernetes Apache Airflow AWS
GCP Flutter Data Structures
Algorithms DBMS OOP

PARTICIPATION

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

CERTIFICATION

- Problem Solving - HackerRank
- 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