AVNISH PAL

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EXPERIENCE

Software Quality Engineer Intern

Red Hat

📅 July 2021 - Present   📍 Pune, India

- Part of **Certification QE** Team.
- Working on **Red Hat Enterprise Linux (RHEL)** certification pipeline for **Google Cloud Platform (GCP)** VM instances.

Machine Learning Scientist

Taiyō AI

📅 Jan 2020 – June 2021   📍 Remote

- 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**

Machine Learning Scientist Intern

Taiyō AI

📅 Sep 2019 - Dec 2019   📍 Remote

- 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

Portfolio Simulation (Stock Portfolio Backtesting)

python, pyportfolioopt

📅 March 2021 – June 2021

- Created modules for **fetching, cleaning and processing intraday OHLC data from NSE**.
- **Backtested portfolio optimization algorithms** in a stock market simulation environment.

DataWiz (Data Pipeline GUI Application)

python, django, dash, plot.ly, bootstrap

📅 October 2020 – December 2020

- End-to-End **data science pipeline application**.
- Supports data import, processing, cleaning, visualization, machine learning algorithms and export.

OpenCourser (Flutter Mobile Application)

dart, flutter, firebase

📅 March 2019 – April 2019

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

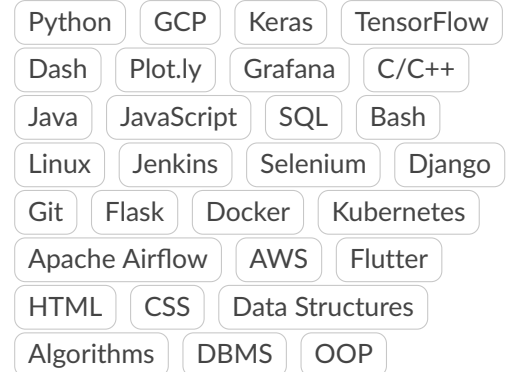## EDUCATION

Bachelor of Technology (IT)

Guru Gobind Singh Indraprastha University

📅 Jun 2017 - Jul 2021   📍 Delhi, India

- CGPA: 7.58

SKILLS

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

BLOGS

Linear Algebra
Medium Publication

BOVEM
Personal Blog

OPEN SOURCE CONTRIBUTIONS

- Flaskerizer
- AIS API

ACHIEVEMENTS

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

CERTIFICATIONS

- Problem Solving - HackerRank
- Deep Learning with Python - DataCamp
- Portfolio Risk Management with Python - DataCamp
- Docker Labs - KodeKloud
- Statistical Thinking in Python - DataCamp