

Avnish Pal

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WORK EXPERIENCE

RED HAT | ASSOCIATE SOFTWARE QUALITY ENGINEER

Jan 2022 - Present

- Refactored end-to-end automation pipeline for **OpenShift Operator** Certification reducing runtime by 40%.
- Developed a **Python** based **Google Chat Bot** for reporting and analysis of automation runs to the stakeholders.
- Coordinated on product releases impacting delivery of 9000+ partner products listed on Red Hat Catalog.

RED HAT | INTERN

Jul 2021 - Dec 2021

- Containerized **YUM package repository** used internally for **RHEL Hardware certification** packages.
- Created automation pipelines for RHEL certification of VM instances on **GCP** and **Azure**.

TAIYO AI | SOFTWARE ENGINEER

Sep 2019 - Jun 2021

- Created a raw material procurement dashboard using **Grafana**, **Django**, and **PostgreSQL**.
- Developed an API for fetching technical indicators for all the stocks listed on NYSE and NASDAQ stock exchanges from different stock screening platforms.
- Prototyped a trading agent using **Python** and **pyportfolioopt** library that analyzed intraday data and technical indicators to generate stock portfolios.

PROJECTS

STOCK PORTFOLIO STRATEGY SIMULATION

PYTHON, PLOTLY, MACHINE LEARNING

Simulation and performance analysis of different stock portfolio optimization algorithms.

SEARCH ENGINE FOR ONLINE COURSES

FLUTTER, DART, FIREBASE, ANDROID DEVELOPMENT

Review-based app for searching online courses provided by different platforms based on reviews and upvotes.

DATA ANALYSIS PLATFORM

DASH, DJANGO, WEB DEVELOPEMNT

Web platform for cleanup and analysis of datasets. Modules for prototyping of basic Machine Learning algorithms.

OPEN SOURCE CONTRIBUTIONS

- Added statsmodels plugin to CHRIS project, a distributed data and computation platform
- Containerized examples for hamilton, a micro-framework for creating dataflows
- Minimized complexity and improved performance of hyperlink parsing on Flaskerizer

EDUCATION

Bachelor of Technology in IT

Jun 2021

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

Coursework: Operating Systems, Database Management Systems, System Design, Data Structures and Algorithms

CERTIFICATIONS

Red Hat Certified Specialist in Containers and Kubernetes
Red Hat Certified System Administrator (RHCSA)

Podman, Kubernetes, OpenShift
Bash, Linux, RHEL8

SKILLS