Avnish Pal

Portfolio: bovem.netlify.app
Github: github.com/bovem

Email: avnishnish07@gmail.com
Mobile: +91-858-806-4883

EXPERIENCE

Red Hat — Pune, India
Associate Software Quality Engineer — *January 2022 - Present*
- **API and Integration Testing**: Implemented unit and integration tests for all the API services associated with OpenShift Operator Certification.
- **Chat Bot for Status Updates**: Created a Python based chat bot for hourly automation status updates.
- **File Server**: Added updation and deletion operations to a Django based file server.

Red Hat — Pune, India
Intern — *June 2021 - December 2021*
- **RHEL Certification**: Implemented automation for testing RHEL beta OS builds on GCP and Azure.
- **Montoring Dashbaord**: Created a Django dashboard for monitoring of OS image builds.

Taiyo AI — Remote
Software Engineer — *September 2019 - June 2021*
- **Analytics Dashboard**: Created Grafana and Django based procurement analytics dashboards for clients such as Tata Steel, Bouygues, and Bloomenergy.
- **Trading Agent**: Contributed on a trader agent that benchmark-ed at 22% annual returns, consistently beating S&P 500.
- **Asset Recommendation**: Created an asset recommendation tool for investors that shortlists the top 10 assets from S&P 500 index for investment.

SKILLS SUMMARY

- **Languages**: Python, C++, JavaScript, SQL, Bash, Java
- **Frameworks**: Tekton, Scikit, TensorFlow, Django, Flask
- **Tools**: Kubernetes, Docker, GIT, OpenShift, PostgreSQL, MySQL, SQLite
- **Platforms**: Linux, AWS, GCP, IBM Cloud
- **Concepts**: Operating Systems, Database Management Systems, System Design, Data Structures and Algorithms

EDUCATION

Guru Gobind Singh Indraprastha University — Delhi, India
Bachelor of Technology - Information Technology — *July 2017 - June 2021*

PROJECTS

- **Simulation of Stock Portfolio Optimization strategies**: Created modules for fetching, cleaning and processing intraday OHLC data from NSE. Backtested portfolio optimization algorithms in a stock market simulation environment.
- **Data Pipeline GUI**: End-to-End data science pipeline application. Supports data import, processing, cleaning, visualization, machine learning algorithms and export.
- **Flutter Mobile Application**: Search engine for online learning resources. Supports user contributions, reviews, and upvotes.
- **Stock Tracker**: An interactive data visualization application developed in Python, with the help of Dash , yfinance and Pandas.
- **bovem.netlify.app**: A Jekyll based website hosted on Netlify.

CERTIFICATION

- **Red Hat Certified Specialist in Containers and Kubernetes**: Podman, Kubernetes, OpenShift 4
- **Red Hat Certified System Administrator (RHCSA)**: Bash, RHEL8

OPEN SOURCE CONTRIBUTIONS

- Improved link parsing performance of flaskerizer by 7 folds.
- Containerized NodeJS based AIS API.