Avnish Pal

www.bovem.in | avnishnish07@gmail.com | +918588064883 | linkedIn/avnish-pal | github/bovem

WORK EXPERIENCE

RED HAT | Software Quality Engineer   Jul 2021 - Present

- Designed **pipelines** for end-to-end testing of product certification services, reducing bug reporting time by 50%.
- Enhanced stakeholder collaboration with a **chatbot** for reporting and analysis of automation results.
- Developed RHEL OS certification pipelines for VMs on GCP and Azure, ensuring compliance.

TAIYO AI | Software Engineer   Sep 2019 - Jun 2021

- Improved stock market analysis and decision-making through an **API aggregator** for technical indicators.
- Developed a **real-time data-driven dashboard** for risk analysis and procurement insights for raw materials.
- Enabled **predictive modeling** for supply chain disruptions by integrating diverse data streams like maritime traffic, international trade volume, and macroeconomic indicators.

PROJECTS

BLOCKCHAIN IN JAVA ⬈   Java, GsonBuilder, Blockchain

- Blockchain implementation from scratch in Java including the wallet system, and the transaction processing logic.

CHATGPT DEVELOPER TOOLS ⬈   Python, OpenAI API, AI

- ChatGPT-based CLI tool for developers that helps with debugging, documentation, and creation of scripts. Available on Python Package Index (PyPI).

DATA ANALYSIS PLATFORM ⬈   Dash, Django, Web Development

- Web platform for visualization, cleanup, and data analysis. Created using tools provided by **pandas** and **scikit-learn**.

OPEN SOURCE CONTRIBUTIONS

CHRIS PROJECT ⬈

- Added statsmodels plugin to CHRIS project, a distributed data and computation platform.

HAMILTON ⬈

- Containerized examples for Hamilton, a micro-framework for creating dataflows.

FLASKERIZER ⬈

- Minimized complexity and improved performance of hyperlink parsing by 7 folds on Flaskerizer.

EDUCATION

Bachelor of Technology (Information Technology)
Guru Gobind Singh Indraprastha University

CERTIFICATIONS

Red Hat Certified Specialist in Containers and Kubernetes   Podman, Kubernetes, OpenShift
Red Hat Certified System Administrator (RHCSA)   Bash, Linux, RHEL8

SKILLS

Programming Languages: Go, Python, C++, JavaScript, SQL, Bash, Java
Frameworks: Tekton, Scikit-learn, TensorFlow, Django, Flask, Selenium, Airflow
Technologies: Kubernetes, Docker, Git, GitHub, GitLab, OpenShift, PostgreSQL, MySQL, SQLite, Grafana
Platforms: GNU/LINUX, AWS, GCP, IBM Cloud, Terraform, Ansible