

Shantanu Sham Hule

Devops / Python Development



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WORK EXPERIENCE

AI OPS Engineer

Jio Platforms

12/2023 - Present

Change Management:

- Coordinated and executed planned change activities, ensuring minimal downtime and maximum operational efficiency.
- Developed and ran multiple SQL queries for data validation and configuration updates.
- Managed Continuous Release Processes (CRPs) in Azure DevOps to ensure seamless integration and deployment of system changes.
- Performed configuration updates for services within Kubernetes clusters to meet evolving business requirements.

Sanity Testing Post-Planned Events:

- Validated SQL queries execution and ensured the accuracy of updates and changes.

- Automated sanity testing of web applications using custom Python scripts to identify potential issues proactively.
- Monitored Kubernetes clusters, verifying pod statuses, analyzing logs, and troubleshooting service-related issues.

Collaboration and Delivery Oversight:

- Acted as the single point of contact (Delivery SPOC) for change activities, ensuring timely communication and coordination among cross-functional teams.
- Conducted root cause analysis and implemented corrective actions to enhance service reliability.

OpenShift Web Application Deployment:

- Successfully deployed a web application on an OpenShift cluster, utilizing OpenShift routes for traffic management instead of traditional ingress.
- Configured a Load Balancer VIP (Virtual IP) to handle HTTPS traffic, ensuring secure communication for the application.
- Managed the application's domain configuration by linking the Fully

Qualified Domain Name (FQDN) with the application IP.

- Resolved network and routing issues to ensure seamless accessibility over HTTP and HTTPS protocols.
- Performed troubleshooting and optimization of the OpenShift environment for application stability and scalability.
- Coordinated deployment tasks, including resource allocation, service configuration, and monitoring within the OpenShift cluster.

Jmeter Load app: Django application which uses jmeter for load testing of websites, and apis. Used Jmeter python and Django to Dynamically edit and run jmx file.

Automation testing web app: Used Django to create a web application, python selenium for automation of the website. An excel file containing data of multiple tabs of website is used to upload on the django web app. The results of test is Displayed on the django app, with the logs and the Video recording of the Test Performed.

API Flow mapping tool: Django web application to mapped the architecture flow of application. Used Django as a Backend and React as the frontend. User friendly UI to add, update, remove, bulk upload, Versioning of Flow, Specific Api flow.

Volumetric analysis: Used flask to create an web app, used for Traffic Analysis of Portal. Detailed analysis of

user login, Document upload and information upload by application and platform.

Machine Learning Intern

Zerot.ai

08/2022-03/2023

Time Series analysis for OIL and GAS: tracking performance of oil wells

Anomaly detection for Google cloud data: detecting anomaly behaviour for multiple cloud services.

Feature Engineering: GCP virtual machine metrics

IoT sensors: ML models and azure functions for sensor performance

Artificial Intelligence Intern

Nothink Technologies

04/2022-08/2022

Data Analysis: for Facebook campaigns: using data analysis to target specific audience, creating ideal campaigns and evaluating the performance of multiple campaigns.

Time Series Analysis: Analysis of multiple campaigns platform such as

google, linked in, and facebook and to evaluate its generated output.

Artificial Intelligence Intern

Rainet Technologies, Delhi

08/2021-03/2022

Data Analysis for a travel

agency: analysis of multiple customer plans, using machine learning to predict the claims from the customers

Research Paper writing of an Medical Image Classification Project

Feedback Classification: using natural language processing using transformers (hugging face) for classification of feedbacks

Status Classification for an Bank: to predict the active and inactive status of the customer

EDUCATION

**BE -- Marathwada Mitra Mandals
institute of Technology**

07/2019 – 07/2023

SKILLS

- Python
- Django
- Kubernetes
- CI/CD
- Docker
- Jenkins
- Linux
- Bash-Scripting
- Data-Science
- Machine-Learning
- AWS
- Change-Management
- Git

PERSONAL PROJECTS

Brain Tumor Object Detection:

Using darknet framework to brain tumor object detection model, which predicts the location of the tumor in the brain

Chest Disease Classification (MRI Images) using Transfer Learning:

<https://github.com/shantanuhule/chest-disease-prediction>

Django Medical Image detection

web app: Creating web application using django where multiple deep learning models to detect diseases.

https://github.com/shantanuhule/Medical_Image_Disease_detection_Django