Nupur Somwanshi, DevOps Engineer

MUMBAI, INDIA · nupursomwanshi81@gmail.com

DETAILS

Mumbai
India
08411099849

LINKS

[LinkedIn](#)

SKILLS

Python

Machine Learning

AI / ML / NLP

Computer Vision

Data Analysis

Data Processing

Microsoft Azure IaaS and PaaS

Random Forest

Logistic Regression

Clustering

Classifier

Kubernetes

Docker

CI/CD

Microsoft Azure

DevOps

PROFILE

Software Engineer with a strong math background and experience in predictive modeling, data processing, data mining algorithms, and building Machine Learning models to solve challenging business problems. Involved in Python open-source community and passionate about Machine learning and Computer Vision. Worked on ML deployment using Azure DevOps CI/CD pipeline. Have experience in Kubernetes, Docker, Azure Pipeline, GIT, GITHUB, AWS, Jenkins, Ansible, SonarQube, Nexus, Prometheus, Grafana and other DevOps Tools.

EMPLOYMENT HISTORY

Data Scientist, Tata Consultancy Services

Oct 2019 — Jan 2021, Mumbai

- Responsible for building Multi-Class Classifier for classifying Trade Finance documents for a BFSI client.
- Python Programming for developing the Machine Learning Models.
- Responsible for extracting business-relevant information from the above-mentioned documents using Image Processing, Text Processing, NLP and Spacy Models.
- Responsible for hyperparameter tuning of the models to get the desired accuracy.
- Responsible for building different models for different documents based on the information required from them.
- Responsible for taking all the necessary measures to avoid overfitting and underfitting of the models.
- Deployed Machine Learning solutions in Azure DevOps with CI/CD pipelines.
- Built and deployed many models like Decision Trees, Random Forest Ensemble Technique, CNN, RNN using Python.
- Built the project on Azure Suite using Azure in-built DevOps features like CICD Pipeline, Repository, Azure Test Suite.
- Responsible for creating Docker Images for the project and using Kubernetes orchestration Tool for deploying.
- Responsible for Continuous Management though Jenkins.
- Hands-on in other DevOps tools like SonarQube, Nexus, Helm, Prometheus, Grafana along with Kubernetes, Docker, GIT.
- Worked on Flask and Django for the application frontend website along with Python.
- Worked well independently and also as a team to solve problems.
- Organized and prioritized work to complete assignments in a timely, efficient manner.

Analyst (Cloud Engineer), Deloitte

Feb 2021 — Present, Thane (Mumbai)

- Responsible for migration of multiple applications into a Private Cloud environment.
- Responsible for designing the Future Mode of Operation for the application migration so as to make it cost effective and efficient in the Private Cloud setup.
- Re-hosting, Rebuilding, or Lift and shift Migration of applications (depending on the Application structure).
- Responsible for the DB Migration of Large Databases and File Shared servers(NFS).

HOBBIES

Cooking, Cleaning, Organizing, Travelling.

- Responsible for finalizing Ports and Protocols and establishing Network communication between different components.
- Responsible for Migration of Applications that are hosted using Jenkins, Ansible, GIT and other DevOps technology.
- Responsible for designing Disaster Recovery Plan for the applications undergoing Migration.
- Resolved problems, improved operations, and provided exceptional service.

EDUCATION

Government College of Engineering, Aurangabad, M.Tech

2017 — 2019, Aurangabad

- M.Tech Dissertation (2 years)- "Automatic Attendance System using Face recognition" done in Python language and Machine Learning. In the dissertation project, the main components were Computer Vision, Machine Learning Modelling (like K Nearest Neighbour) and LBPH for extracting features from images. Creating a perfect dataset of images to train the model, so as to get maximum accuracy. Published two research papers in reputed International Journals for my Dissertation work in Machine Learning.

ACE Academy Hyderabad, GATE Entrance Exam Preparations

2016 — 2017, Hyderabad

Kavikulguru Institute of Technlogy, Ramtek, B.E.

2012 — 2016, Nagpur

- BE Mega Project – Design and Stimulation of digital modulation techniques ASK(Amplitude Shift Keying), FSK (Frequency Shift Keying) & BSK(Binary Phase Shift Keying) using VHDL(Very High Definition Language) on Vivado ISE Design Suit.
- BE Mini Project – Boolean algebra calculator using 8085 is an 8-bit microprocessor.

Nutan Kanya Jr. College, 12th

2011 — 2012, Bhandara

Board – M.H State Board

Percent – 75.33%

Shrinbai Neterwala School, 10th

2009 — 2010, Tumsar

Board – C.B.S.E Board

C.G.P.A – 9.2

CERTIFCATIONS

Azure Data Scientist (DP-100) , Microsoft

Aug 2020

Azure Solutions Architect Expert, Microsoft

Apr 2021

AWS Certified DevOps Engineer Professional, AWS

EXTRA-CURRICULAR ACTIVITIES

Faculty Development Program (FDP)

2019, Aurangabad

Python Programming on Image

Processing

PERSONAL DETAILS

Father's Name: Nareshsingh Somwanshi

Gender: Female

Nationality: Indian

D.O.B: 10/10/1994

DECLARATION

I do hereby declare that the particulars of information and facts stated here in above are true, correct and complete to the best of my knowledge and belief.