

# Raguram P

AWS | DevOps | MLOps | Python

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Skilled Cloud, Virtualization and DevOps Engineer with 7+ years of hands-on experience in supporting, automation, and critical deployments. Passionate machine learning professional and data-driven analyst with the ability to apply ML & leverage algorithms to solve real-world business problems.



## Skills

- ◆ Cloud services: Amazon Web Service (AWS), GCP & VMware
- ◆ Data Science Packages: Scikit-Learn, Pandas, NumPy, Jupyter, Pycharm, TensorFlow, & Keras
- ◆ MLOps: DVC, Kubeflow, AWS sagemaker, Model monitoring, Data and Model drift.
- ◆ Machine Learning: Classification, Clustering and Regression, Deep Learning (CNN, RNN) Neural Networks & NLP
- ◆ Data Visualization tools: Seaborn, & matplotlib
- ◆ Languages: SQL, Powershell & Python
- ◆ Integration, Container & orchestration: Jenkins, Docker, Kubernetes, Rancher & Terraform
- ◆ EDA (Exploratory Data Analysis): AWS Athena, Feature Engineering, Imputing Missing Data, Dealing with unbalanced data, Handling outliers, Encoding & Scaling.



## Work History

- ◆ **Oct 2021 - Jul 2022**     **Senior DevOps Engineer**  
*Incedo Inc*
  - Managing microservices by using orchestration tool Rancher for deployment in Prod/STG environment.
  - Troubleshooting in Docker containers, Jenkins, Bitbucket & Rancher
  - Created an end to end machine learning pipeline all the way from gathering data to deployment by using AWS Sagemaker Studio.
  - Deployed ML model endpoint to Amazon API gateway.
  - Created AutoScaling for ML model endpoint and Securing the endpoint.

## Nov 2020 - Infrastructure Specialist

Apr 2021

*Cognizant technology services*

- Experience in deploy springboot on EKS Kubernetes cluster using Helm charts.
- Setup Jenkins server for CI/CD in EKS cluster.
- Configured Horizontal pod autoscaler for autoscaling of pods in EKS cluster.

## Aug 2017 - IT Executive

Oct 2020

*National Stock Exchange of India, Chennai, TamilNadu*

- **Stock Exchange Datacenter:** Experience in managing & configuring DC and DR replication with RPO and RTO for Mock/Live drill
- Performed L2 to L3 support for VMware ESXi & Nutanix Issues.

## May 2016 - Senior System Engineer

May 2017

*CSS corp, Chennai, TamilNadu*

- Experience in working on AWS services like AWS IAM, VPC, EC2, EBS, RDS, S3, ELB, Auto Scaling, Route 53, and Cloud Watch
- Implement continuous integration/continuous delivery (CI/CD) pipelines.

## Jul 2014 - Associate System Engineer

Jul 2016

*NIIT Technologies, Chennai, TamilNadu*

- **Airport Datacenter:** Established 10 airport datacenter in India with DC & DR
- Experience on AD, RODC, DNS, GPO, and Hyper-V technology.



## Machine learning (MLOps) projects

- Building End-to-end Machine Learning Workflows with Kubeflow.
- By using AWS Sagemaker Pipelines get ML models approved and deploy.
- Hands on CI/CD for a Kubeflow pipeline on AI platform.
- Created charts in Jupyter notebook to perform analysis & visualize data using Matplotlib.
- Used the AWS Sagemaker to quickly build, train and deploy the machine learning models.
- Worked with ML algorithms like regression (Linear, logistic), SVMs & Decision trees.



## Education

### Jul 2007 - Bachelor of Science: Computer Science

Jul 2011

*Hindustan College of Engineering & Technology - Coimbatore*



## Certifications

May 2021

AWS certified sysops administrator – Associate