

Vibhor Jain

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EDUCATION

- Pursuing Btech(Hons) CSE – University of Petroleum and Energy Studies 2016-2020
- 12th CBSE – 89.9% - Maheshwari Public School, Jaipur March 2016
- 10th CBSE – 9.8 CGPA – Maheshwari Public School, Jaipur March 2014

CERTIFICATIONS

- Red Hat Certified System Administrator
Certification Date: Aug 2018-May 2022 License 180-008-153
- Red Hat Certified Engineer
Certification Date: Aug 2018-May 2022 License 180-008-153
- Red Hat Certified Administrator in Ansible Automation
Certification Date: Aug 2018-Aug 2021 License 180-008-153
- Red Hat Certified Specialist in Openshift Administration
Certification Date: Aug 2018-May 2022 License 180-008-153

TECHNICAL TRAININGS

- System Administrator Training in Linux OS using Red Hat distro(RHEL 7)
 - Configuring various servers like **samba,nfs,ssh,http,smtp** servers
 - Use of **nmcli** tool for teaming and creating network profiles
 - Working with Commands
 - Navigating the System
 - Changing Permissions
 - Networking
 - Volume Management
 - Server Hardening Concepts
 - TroubleShooting basic errors in RHEL
- DevOps Training
 - Usage of **OpenShift** Platform as a tool for launching applications on containers and providing abstraction of **Kubernetes** to scale and manage **Docker** Containers
 - Use of Docker as a Web Server, Launching graphics on Docker
 - Configuring Private Docker registry, setting up connection between two docker containers
 - Configuring Monitoring tools like **Grafana** in integration with **Prometheus-node_exporter**
 - Use of a VCS/SCM tool like **git**
 - Configured RHEL Nodes using **Ansible** Tool.
- Big Data Training using Hadoop
 - Made **HDFS** Cluster
 - Setup Hadoop MapReduce Cluster
 - Made a simple **Mapper Reducer** Programs in Python
 - Basic usage of **HIVE** for Mapping and Reducing

- Cloud Computing
 - Using **OpenStack** for make a Private Cloud on a Red Hat OS Environment(RHOSP 10)
 - Deployed cloud services like **PaaS,SaaS,CaaS** on self built cloud using Linux
 - Services hosted on Docker Container
 - Worked on **AWS EC2** instance to make a Web Server and for making various nodes in a cluster
- Machine Learning Training
 - Implementation of basic Machine Learning algorithms like **Linear Regression and Multi Linear Regression using Python**

PROJECTS

- Hadoop Cluster Automation using Big Data Hadoop(with Python) using Red Hat Linux
Guided by: Mr Vimal Daga, Technical Head, Linux World, Jaipur
 - Project includes setting up cluster automatically (NameNode, DataNode, JobTracker, TaskTracker) It provides a collaborative portal to ask for IP addresses of various workstations within a network and setup the configuration of various nodes as per the requirement.
- Scaling a Web Application hosted on a Docker Container with C language
Guided by: Mr Monit Kapoor, Associate Professor and Head , UPES, Dehradun
 - Project includes a web application Docker image accessible to a remote client via network and horizontal scaling of those containers based on RAM usage on server and a boolean value that Client is accessing the application or not.
- Analysis of public opinion on political issues and examining public biasing based on data collected from twitter
Guided by: Mr T.Dharni, Industry Fellow, Dept of Virtualization , UPES, Dehradun
 - Project includes a analysis of twitter data to conclude political bias. Using this data a training dataset trains a Machine Learning model to decide the public orientation through usage of sentiment analysis
- Speech Recognized automation of providing Cloud Services and setting up a Hadoop Cluster using Java Script WebKit and Python CGI for backend programming
Guided by: Mr Vimal Daga, Technical Head, Linux World, Jaipur
 - Project includes a front end python code for face recognition to provide access to a portal wherein a client can ask for setting up a Hadoop Cluster and get cloud services with speech.
- Configuring Alertmanager in integration with Prometheus server in a Grafana-node_exporter stack
Guided by: Mr Mahendra Singh, Manager, QA-Deployment, Envestnet Yodlee, Bengaluru
 - Project includes monitoring of various linux servers on parameters of disk usage, RAM consumption, CPU load and firing email alerts as soon as they reach threshold value. Then it fires an ansible script if disk usage is more than 85% for clean up processes. It uses Alertmanager plugin to be integrated with Grafana-Prometheus-node_exporter stack

KEY SKILLS

- Languages: C, C++, JAVA, Python (for basic automation and for CGI), PHP, JS, HTML
- Softwares: OpenShift, OpenStack, Kubernetes, Ansible, Docker, Grafana, Prometheus, node_exporter, Alertmanager, ApacheWebServer, Hadoop, Spark, MySQL, Oracle, Eclipse, NetBeans
- Other Subjects: Operating Systems, Artificial Intelligence, DBMS, Design of Algorithms, Software Engineering, Discrete Mathematics, Automata Theory, Computer Graphics, Data Communication and Networks, XML

EXTRA CURRICULAR

- Working as Event Head at UPES CodeChef Student Chapter 2018
- Presented at IIT Roorkee on topic Industrial Internet and its applications 2018
- Worked for Computer Society of India(UPES-CSI Student Chapter) for 2 years 2016-2018
- Participated and qualified in Hackathon organized by UPES 2017
- Participated in various coding events organized by Student Chapters in UPES 2017