

## Contact

sourabhmishra1262@gmail.com

[www.linkedin.com/in/](https://www.linkedin.com/in/sourabhmishra1262)

sourabhmishra1262 (LinkedIn)

[code-sourabh.github.io/SOURABH/](https://code-sourabh.github.io/SOURABH/)  
(Portfolio)

# Sourabh Mishra

Building AI-native software services | Ex-Media.net (Directi) |

Athenasquare | MANIT

Bengaluru, Karnataka, India

## Summary

Leading the best product teams while shaping Services 2.0.

---

## Experience

**Heizen (formerly OpenGig)**

Founding Member

September 2023 - Present (2 years 3 months)

Hyderabad, Telangana, India

**OpenGig**

Founding Member

September 2023 - May 2025 (1 year 9 months)

Hyderabad, India

**Media.net**

2 years 3 months

**Site Reliability Engineer**

July 2023 - March 2025 (1 year 9 months)

India

**Site Reliability Engineer**

January 2023 - July 2023 (7 months)

Mumbai, Maharashtra, India

**Athenasquare**

Founding Member

February 2022 - September 2023 (1 year 8 months)

**Headstart - MANIT Alumni ConnecT**

Head Coordinator

March 2021 - April 2023 (2 years 2 months)

Bhopal, Madhya Pradesh, India

ED-cell MANIT Bhopal  
Head of Events  
August 2019 - April 2023 (3 years 9 months)  
NIT, BHOPAL

LinuxWorld Informatics Pvt Ltd  
8 months

Mobile App Development Using Flutter  
July 2020 - September 2020 (3 months)  
Jaipur, Rajasthan, India

Mobile Application development both for android and ios using flutter by google...

The Future of Cloud Computing: Hybrid Multi Cloud (AWS | OpenStack | Terraform | Kubernetes)  
June 2020 - July 2020 (2 months)  
Govindpur, Jaipur, Rajasthan, India

A. AWS (Public Cloud) :

- Setting up the system for AWS
- AWS Storage: The S3 Bucket
- The Root Module
- AWS Compute:
  - AMI Data, Key Pair, and the File Function
  - The EC2 Instance
  - User Data and Template Files
- AWS Networking:
  - VPC, IGW, and Route Tables
  - Subnets, Security, and the Count Attribute
- AWS infrastructure : IAM policies, Auto-scaling,Lambda, Cloud Trail, Cloud Watch, RDS, Cloudfront
- AWS : HA Architecture
- Setup large-scale, high-traffic, redundant, cloud-based IaaS/PaaS/SaaS environment at a Public Cloud provider like AWS
- 

B. OPENSTACK (Private Cloud with Containers) :

- Openstack Overview
  - o Nova architecture
  - o VM provisioning walkthrough
- OpenStack Networking Overview

- o KVM networking with Linux bridges
- o Single-host vs multi-host networking
- o The role of Network Manager
- Floating IPs
- o Traffic Flow
  - Openstack Storage Overview
- o The Ring, RingBuilder, partitioning
- o Account, container and object servers
- o Replication
- o Security/ACLs
- o Deployment and Operations
  - Automated Installation of Openstack
- o Service Architecture
- o Openstack cookbooks – Management server, Keystone, Glance, Quantum (Neutron), Nova, Cinder, Horizon
  - OpenStack Magnum
- o OpenStack's Container Infrastructure Management Service (Magnum)
- o Managing Clusters with Magnum Using the CLI and DashBoard

### C. Terraform (with AWS & OpenStack) :

- o Infrastructure As Code In AWS / OpenStack With Terraform
- o
  - # Configuring and Creating AWS / OpenStack Resource with Terraform
  - o Terraform Concepts
  - # Terraform Concepts:
  - # Resources ,Data Sources,Locals,Outputs,Templates And Files,Providers,Variables
  - o Terraform Modules
  - # Terraform Custom Modules and Registry Modules
  - o Terraform State
  - # Terraform State -
  - # Managing Terraform Plans and Remote State
  - o Multiple Environments & Resource Meta Parameters
  - # Terraform Workspaces
  - # Resource Meta Parameters
  - o Terraform with OpenStack
  - # Block Storage
  - # Compute
  - # Networking

```
# Load Balancer  
# Firewall  
# Object Storage
```

## Machine Learning with DevOps - MLOps

April 2020 - June 2020 (3 months)

Jabalpur Cantt, Jabalpur

### MACHINE LEARNING AND DEEP LEARNING:

- Worked in Redhat Linux [RHEL8 and RHEL7]
- Researched in various libraries of Python for Data Science and Machine Learning
- Learned TensorFlow code-basics working behind Keras
- Graph Visualization using various libraries seaborn, matplotlib....
- Linear Regression model with customization
- Logistic Regression model
- K Nearest Neighbor algorithm
- K-Means classifier algorithm
- Random Forest classifier algorithm for unsupervised learning
- Neural Networks (Deep Learning and Deep fake)
- Feature Extraction and Feature engineering
- Feed forward neural networks (FNN)
- Convolutional neural networks (CNN)
- Recurrent Neural networks (RNN)
- Generative Adversarial Neural Networks (GAN)
- Restrict Boltzman Machine (RBM) for business model creation
- Long Short-Term Memory (LSTM)
- Collaborative Filtering with RBM
- Autoencoders & Applications in machine learning
- How to compose Models in Keras
- Saving and Loading a model with Keras
- Computer Vision using NN
- Text Data Processing
- Image / Video processing with various libraries
- Speech analytics - Speech to text / Voice tonality
- Transfer Learning
- Object Detection with SSD
- Neural Networks, Convolutional Neural Networks, R-CNNs , SSDs, YOLO & GANs

- Transfer Learning and using pre-trained models (VGG, MobileNet, InceptionV3, ResNet50) on ImageNet and re-create popular CNNs such as AlexNet, LeNet, VGG and U-Net
- Facial Recognition with VGGFace
- Executing, Annotate, Train and Deploy Custom Mask R-CNN models

**DEVOPS:**

- DevOps CI/CD pipeline to build and deploy a project
- Git, Maven, Jenkins, Docker, Kubernetes
- Integration of CI/CD with ML/DL
- Deploy ML/DL model over kubernetes

**The Future of Automation: DevOps Assembly Lines**

April 2020 - June 2020 (3 months)

Jaipur, Rajasthan, India

**Understanding DevOps:**

- Designing and implementation of Continuous Integration Continuous Delivery Release Management
- Architecture, Design, and Implementation of highly scalable and highly available solutions
- Monitor infrastructure, set up monitoring tools, review a regular basis and collect stats
- Monitoring, troubleshooting and diagnosing infrastructure systems.
- Infrastructure usage and monitor
- Organize log, event, and monitoring data/ stats and create reports for management
- Zero Downtime Deployment Light Dark Green Blue architecture
- Execute Unit Tests in CI/CD server Jenkins
- Incremental code testing and deployment
- Agile Project Tracking tools

DevOps Tools in areas like CI/CD Environment Automation, Release Automation, virtualisation, infra as a code or metrics tracking.

- Docker & Kubernetes
- ELK Stack - (Elastic Search, Logstash, Kibana)
- Source Control Management (Git, GitHub & Gitlab)
- Jenkins: Multi-staged CI / CD with tools
- Introduction to Openshift (PAAS Cloud) with Docker/Podman and Jenkins pipeline
- Performance Monitoring Tools (Kibana, Grafana, Prometheus etc)

### C. Python Scripting Language

- Test execution and Reporting with Pytest framework
- Implement unit tests in python using the discipline of Test Driven Development(TDD)

### TRAINED IN REDHAT LINUX 8 O.S

February 2020 - April 2020 (3 months)

M P State Centre, Bhopal

I got training in redhat linux 8 operating system from linux World CEO and founder.

I can work efficiently on linux operating system with networking and package management.

### Red Hat

DevOps - Automation Using Ansible (with RedHat Official Training - RH294 - RHEL 8) - Expertise Level

July 2020 - August 2020 (2 months)

Jaipur, Rajasthan, India

---

## Education

Maulana Azad National Institute of Technology

Bachelor of Technology - BTech, Electrical Engineering