

DEEPAKKUMAR RATHOUR

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<https://github.com/DeepakkumarRathour?tab=repositories>

Profile

Enthusiastic fresher skilled in Cloud, DevOps, and automation tools, eager to contribute to impactful projects.

Skills

Tools & Technologies: AWS Cloud, Terraform, Linux, Ansible, Podman, Docker, Kubernetes(K8s), Jenkins (CI/CD) Pipeline, Prometheus with Grafana, Shell, Git & GitHub, Networking.

Work Experience

Intern

CoreXtech IT Services Pvt, Ltd. Remote

Feb 2025 – July 2025

Cloud Engineer

- Assisted in designing and deploying cloud infrastructure using AWS services including EC2, S3, IAM, VPC, and RDS.
- Developed and maintained infrastructure automation scripts using Terraform and AWS CloudFormation, streamlining provisioning tasks.
- Gained hands-on experience with IAM to manage user roles, policies, and access permissions securely across cloud resources.
- Supported virtual machine setup, security group configurations. Monitored system performance and resource utilization using Amazon CloudWatch, helping to identify and troubleshoot issues proactively.
- Participated in team meetings and documentation efforts, contributing to knowledge sharing and project tracking.
- Learned fundamental cloud security practices such as setting up least privilege access, encryption, and secure networking using VPCs.

Education

DBATU

M.S Bidve Engineering College Latur, Maharashtra 413512.

Dec 2021 - June 2024

B.Tech. in Computer Science and Engineering

CGPA: 8.36/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Math's, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Block-Chain Technology, Information Retrieval, Image Processing.

Project Work

1. **Automatically store S3 file's metadata into DynamoDB table using AWS Lambda:-** Technology- AWS Cloud Services like, AWS S3 – to store the Objects , DynamoDB – to store the metadata, IAM Role – to give permission access on S3 & DynamoDB, AWS Lambda - to set trigger on occurring of event.
2. **Provisioning AWS resources using AWS CloudFormation:-** Provisioning AWS S3 bucket, VPC & Subnet, EC2 Instance & Security Group. By creating the stack in the CloudFormation service.
3. **Terraform- Implementing S3 Backend for State Storage:** Configuring S3 bucket as a backend for remote state storage.
4. **Log Analyzer Tool (Dockerized):-**
Developed a Bash-based Log Analyzer Tool to monitor Linux System logs. Implemented error/warning/info counters, top log summaries, and email alerts. Containerized the tool with Docker for portability and easy deployment. Automated execution using cron inside Docker.
5. **Archive Large Files:-** Created shell script to compress and store larger files in archive directory to ensure there should be a enough free space available for newly generated files.

Certificates

- Oracle Database SQL Certified Associate
- Linux Basics to Advance
- AWS Solution Architect - Associate

July 2024 – Sept 2024
March 2025 – June 2025
March 2025 – Aug 2025