

Mangesh Shrestha

✉ shresthamangeshse@gmail.com ☎ 9869204031 💻 in/mangesh-shrestha-432206202 🌐 github.com/Mangesh579

SUMMARY

Recent computer science graduate with an emphasis on **DevOps** techniques. Excited to begin my career in automating and simplifying software development, I am proficient in **cloud platform(AWS)** and **scripting languages**.

EXPERIENCE

Data Center Technician

Silver Lining

December 2024 - Present, Durbar Marg, Kathmandu

- Monitor and manage PAC (Precision Air Cooling) systems, UPS, firewalls, and server infrastructure to ensure optimal performance and reliability.
- Troubleshoot and resolve alerts, minimizing downtime and maintaining operational continuity.
- Assist in system administration tasks, including server maintenance, hardware replacement, and software updates.

Project :

Palo Alto Firewall Configuration and Policy Deployment:

- Designed and deployed Palo Alto firewalls using virtual machines (VMs), cloud instances, virtual environments (venv), and WSL for scalable and secure operations.
- Automated deployment and management of firewall policies using Ansible, streamlining configuration processes and ensuring compliance with security standards.

Backend Developer

Accezz Minds

February 2024 - April 2024, Bangalore

- Implemented RESTful web services for various client-side applications.
 - Developed and maintained back-end applications using MERN stack.
- Project :
- Created an employment portal application with the MERN stack as a development project.
 - We utilized Express.js, Node.js, and React.js for the backend and frontend, respectively.
 - Through Named Entity Recognition (NER), resumes is parsed.
 - Regular expressions and feature scoring are used in resume parsing to find patterns in user data on resumes.
 - The highest positive grade is then considered.

PROJECTS

AWS Serverless CI/CD Website

shresthamangesh.com.np

- Deployed a portfolio hosting solution using S3 for static content and CloudFront for global delivery, secured with Netlify for SSL.
- Automated serverless infrastructure using Lambda, API Gateway, and DynamoDB, with deployments managed by AWS SAM.
- Built CI/CD pipelines with GitHub Actions, utilizing Terraform for infrastructure provisioning and Jenkins for automation.
- Containerized applications using Docker and managed scalability with Kubernetes clusters.
- Automated configuration with Ansible, ensuring consistency across environments.
- Monitored system health with Prometheus, implementing proactive alerts.
- Scripting AWS resource automation using Python (Boto3) for efficient management.

Appointments made easy

Hackathon • github.com/Mangesh579/hackathon.git • March 2023 - March 2023

- Description: A fullstack application platform that offers a contactless solution for booking physical appointments with professionals. Improving the efficiency for bookings.
- Using React.js to design the frontend and Node.js, Express.js for backend and routing respectively.
- Using MongoDB for storing users credentials.
- Using RESTful API for chatbots and to exchange information securely over the internet.

EDUCATION

Bachelors of Engineering - Computer Science Engineering

CMR Institute of Technology • India • 2024

• CGPA: 7.14

CERTIFICATIONS

DevOps Training

Deerwalk Training Center • 2024

ERR_404 5.0 Hackathon

Anjuman-I-Islam's M.H. Saboo Siddik College of Engineering • 2023
