



# JAYPAL SINGH SISODIYA

B.Tech. - Computer Science & Engineering

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## BRIEF SUMMARY

final-year computer science student with strong skills in DevOps and hands-on experience in AWS. You are proficient in Linux, Git, GitHub, Docker, Jenkins, Terraform, and Python. Currently, you are actively learning Kubernetes, Ansible, cloud computing, and infrastructure automation, focusing on advancing your skills in automation and DevOps practices. Additionally, you have basic knowledge of front-end development.

## KEY EXPERTISE

AWS Docker Jenkins GIT Github HTML5 CSS Javascript Bootstrap ReactJS Linux Terraform  
Kubernetes Python

## EDUCATION

### Medi-Caps University

2021 - 2025

B.Tech. - Computer Science & Engineering | CGPA: 6.44 / 10

### Narmada Valley International school, barwaha, Khargone

2021

12<sup>th</sup> | CBSE | Percentage: 77 / 100

### Narmada Valley International School , Barwaha, Khargone

2019

10<sup>th</sup> | CBEA | Percentage: 72 / 100

## PROJECTS

### CI/CD Pipeline for Kubernetes Deployment Using Jenkins

25 Nov, 2024 - 27 Nov, 2024

Mentor: self

Key Skills: Jenkins EC2 Docker GitHub Trivy Arogoed EKS cluster SonarQube

Developed and deployed a CI/CD pipeline for Kubernetes on AWS using Jenkins, integrating SonarQube for code quality checks and ArgoCD for GitOps. Automated EKS cluster provisioning with eksctl and streamlined deployment workflows. Enhanced efficiency and ensured quality through end-to-end pipeline automation.

### Node.js and MongoDB Application Deployed on Kubernetes with Docker

01 Oct, 2024 - 02 Oct, 2024

Mentor: self

Key Skills: Kubernetes docker Node.js MongoDB Bash

This project deploys a full-stack Node.js and MongoDB CRUD application using Docker for containerization and Kubernetes for orchestration. The application offers a REST API for managing user data, ensuring high scalability and flexibility. With Docker and Kubernetes, it achieves seamless deployment, management, and portability across environments.

### Node.js CI/CD Pipeline and Code Quality Automation

30 Aug, 2024 - 02 Sep, 2024

Key Skills: Jenkins CI/CD tomcat github terraform Bash Docker SonarQube

Led a DevOps project to streamline Node.js application deployment using Git for version control, Docker for containerization, and SonarQube for code quality testing. Developed an automated CI/CD pipeline, reducing manual effort and enhancing release efficiency. Improved code reliability and reduced deployment time by 40% through automation.

### Terraform AWS NGINX EC2 Deployment:

Key Skills: EC2 S3 NodeJS aws Terraform Nginx Bash

Developed an automated infrastructure provisioning system using Terraform to deploy an AWS EC2 instance within a custom VPC. Configured security groups to allow HTTP and SSH access, and automated the installation of NGINX via user data scripts. Implemented Infrastructure as Code (IaC) principles for scalable, repeatable deployments. Ensured seamless HTTP access to NGINX from the public internet.

## CO-CURRICULAR ACTIVITIES

- o Online Courses and Certifications: Completed relevant online courses or certifications in areas like advanced React techniques, Node.js best practices, or MongoDB administration.

## EXTRA CURRICULAR ACTIVITIES

- o Playing all kind of outdoor sports like Football, Basketball, Table-Tennis.

## PERSONAL INTERESTS / HOBBIES

- o Photography
- o Travelling
- o Freelancing

## WEB LINKS / IMs

- o Other - [www.linkedin.com/in/jaypal-singh-sisodiya-6148a5250](https://www.linkedin.com/in/jaypal-singh-sisodiya-6148a5250)
- o Github - <https://github.com/jaysingh8103>

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

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**Date of Birth:** 08 Oct, 2003

**Known Languages:** Hindi, English

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