# Deepanshu Tuli *DevOps Engineer*

✉ tulideepanshu@gmail.com

📞 9876708090

📍 Panchkula, India

🎂 20/08/1997

🏴 Indian

I am a dependable person who is great at time management. I love working in technically challenging environments and serving to the best of my abilities, contributing towards the growth of the organisation as well as my own growth as an individual in all aspects.

## 🧠 Skills

**AWS certified Solutions Architect**  ● ● ● ● ●
Profound knowledge of managing cloud infrastructures on multiple cloud platforms

**Python**  ● ● ● ○ ○
Experienced in Hands on Python scripting for automations

**Linux**  ● ● ● ● ●
Experienced Linux Administrator with a comprehensive understanding of the Linux operating system and Linux based servers.

**Git**  ● ● ● ● ●
Hands on experience using Git for deployments and pull requests as well as well versed in the processes and commands necessary to use Git effectively.

**CI/CD**  ● ● ● ● ●
Experienced with CICD tools like Jenkins,Gitlab and its integration with other plugins for automating the CI/CD pipeline.

**Shell-Scripting**  ● ● ● ● ●
Highly proficient in shell scripting and can use it to complete a wide range of tasks of varying complexity.

**Terraform**  ● ● ● ● ○
Experienced with Terraform and can use it to create cloud infrastructure using code.

**Ansible**  ● ● ● ● ●
Extensive experience in creating and executing Ansible playbooks for configuring both Windows and Linux based servers

**Prometheus/Grafana Stack**  ● ● ● ● ●
Experienced in setting up advanced monitoring as well as dashboard visualisations using prometheus grafana stack

**Docker and Kubernetes**  ● ● ● ● ●
Coupling my expertise in Docker, I excel at creating containerized images tailored for various applications. Leveraging the power of Kubernetes, I ensure these applications are seamlessly deployed. I also excel in cluster provisioning on Baremetal Environments

## 💼 Professional Experience

**Manager,** *Gurujee Electricals and Electronics*
Management of Operations and Inventory

03/2020 – 10/2022
Panchkula, India

**Intern,** *Capgemini*

07/2019 – 11/2019
Bangalore, India

**Intern,** *Goindi Machines pvt limited*
Got a complete understanding of CNC Machines

05/2017 – 07/2017
Derabassi

**DevOps Engineer,** *Rachna Tech Pvt. Ltd*
- Maintaining cloud infrastructure,
- CI/CD integration
- Automation of services.
- Proficient in cloud computing concepts,

11/2022 – 12/2023
Panchkula, India

- DevOps practices
- Automation scripting.

**Devops Engineer,** *GIIT Solutions*                              01/2024 – present
- Contributing in Devops practices in multiple projects.                Gurugram, India
- Ensuring Compliance of best practices.
- Understanding client side requirements and create solutions according to them.
- Advanced focus on monitoring.

## 🎓 Education

**B.Tech Mechanical Engineering,** *VIT University, Vellore* ↗        07/2015 – 07/2019
                                                                     Vellore, India

**12th Standard,** *SGGS Collegiate Public School*                   04/2014 – 04/2015
                                                                     Chandigarh, India

## 🌐 Languages

English  •  Hindi  •  Punjabi  •  French

## 🗂 Projects

**WebAutomation.io,** *The project consisted of many complex responsibilties which included setting*        11/2022 – present
*up the Linux and Windows servers in the cloud - This included creating the necessary instances,*
*configuring the necessary security settings, and installing the necessary packages. Configuring the*
*autoscaling solution - This included setting up the necessary triggers, rules, and policies for the*
*autoscaling solution. Deploying the necessary services - This included deploying the web server,*
*database server, and other backend services that were necessary for the application. Configuring the*
*necessary monitoring tools - This included setting up the necessary metrics, alarms, and notifications*
*for the system. Running tests and validating the system - This included testing the system for*
*performance, scalability, and other parameters. Implementing the necessary optimizations - This*
*included optimizing the system for better performance and scalability. Troubleshooting and*
*resolving any issues - This included troubleshooting and resolving any issues that arose during the*
*implementation.*

**PT Nice Resources,** *Web Design/CICD*                              06/2023 – 07/2023
I was entrusted with the architecting and development of the user interface (UI).
Additionally, I took the lead in devising and implementing a sophisticated CI/CD
(Continuous Integration/Continuous Deployment) pipeline. This role also necessitated
the meticulous management and optimization of all associated resources, ensuring
streamlined operations and efficient resource allocation.

**Bluespice Mediawiki,** *Infrastructure,CI/CD,automation*           01/2024 – present
- Provisioning of a High availability Kubernetes Cluster on a Bare-Metal Environment.
- Setup cluster level automations.
- Setting up CI/CD using Gitlab for automatic deployments on the kubernetes cluster.
- Ensured best practices by using vault to store and retrieve valuable secrets for CI/CD
  executions.
- Setting up alerts, monitoring, and visualisation using prometheus Grafana stack.
- Migration of existing infra on docker swarm to kubernetes infra.

**Solana Labs,** *Automation,Server Configuration,Time-Series Database,GITOPS*                    04/2024 – present

I am responsible for setting up Time Series Metrics using InfluxDB. Setting it up in High Availability. Maintaining critical dashboards using Grafana and Prometheus stack. I am also responsible for managing a server pool which contains several thousand servers. In order to do so I used the following skills

- Since the servers were provided by a baremetal servers provider, I created several shell scripts which utilised the providers cli tool to perform various actions on several servers at once.
- In order to configure several servers at once I write several complex level ansible playbooks which can perform multiple tasks depending on the variables passed at the time of execution.
- In order to maintain uniform configuration of several critical services GitOps practices are followed to maintain uniform configuration across several servers at once.