

# RAVINDRA SINGH

## HPC ENGINEER

### CONTACT



dev.to/nerdfash28/



ravindrara.singh@gmail.com



github.com/nerdfash28



Delhi

### SKILLS

Linux

Git | Docker | Python

AWS

Ansible | Terraform

### EDUCATION

**PG-DHPCSA**

**CDAC | Pune**

March 2023 - Aug 2023

- Completed HPC SysAdmin Certification

**B-Tech**

**Sarvottam Ins. of Tech. & Mgmt**

March 2015 - July 2019

- Completed B.tech in Electronics & Communication Engineering

### LANGUAGES

- Hindi
- English

### PROFILE

Results-driven HPC and DevOps Engineer with a strong background in high-performance computing, automation, and cloud-native technologies. Passionate about optimizing computational workflows, managing large-scale HPC clusters, and implementing CI/CD pipelines for seamless deployment. Experienced in job schedulers (PBS Pro, SLURM), containerization (Docker, Kubernetes), infrastructure as code (Terraform, Ansible), and performance tuning. Seeking to leverage expertise in HPC and DevOps to drive efficiency, scalability, and reliability in computational environments.

### WORK EXPERIENCE

#### HPC Cloud Engineer

HCLTech

Oct 2023-Present

- Monitoring of Server on Cloud and On-Prem Cluster
- Managing and Installation of HPC scheduler on Cloud
  - Grid Engine
  - PBSPRO
  - Altair NavOps
- Managing GitHub Repositories
- Automating Regular Tasks
- Cleaning Backlog and managing Scripts
- Trouble Shooting Error
- Worked with Altair Products
  - Altair Control
  - PBSPRO
  - Grid Engine
  - Altair Navops

#### Embedded Engineer

Root2IOT

Oct 2019-Nov 2020

- Designing and Debugging Hardware Issues
- creating and designing embedding programs for Products

### PROJECTS

#### Running HPC On Containers

- Created Containers using Warewulf
- used SLURM as Scheduler
- Nagios as monitoring Tool
- Deployed on Local VM setup
- GitHub : <https://github.com/nerdfash28/HPCSA-project>

### CERTIFICATION

- AWS Solution Architect Associate
- Altair Suite