

# KARTIKEYAN GUPTA

Software Developer | SCM TEAM | MTS-2 | 3+ YOЕ



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<https://kartikeyan-portfolio.vercel.app>



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## EDUCATION

### Shri Ramdeobaba College of Engineering and Management

B.E., Computer Science and Engineering

CGPA 7.42

### Major Hemant Jakate Institute of Science and Techology, Nagpur

Higher Secondary Education

GPA : 84%

### Centre Point School , Nagpur(CBSE)

Primary and Secondary Education

GPA : 84%

## TECHNICAL SKILLS

- Python, GO, Bash, Java, SQL
- Flask, Django, Nextjs, Reactjs
- REST, grpc, protobuf
- Data Structures and Algorithms, Design Patterns, Problem Solving
- Frontend, Backend, Full Stack, System Designing
- Redis, Disk Cache
- Postgres, pgsql
- Ansible, Puppet, Cerberus, Jenkins
- Docker, Kubernetes, Helm
- TCP/IP, Cloud Networking
- Cloud Computing (VMware cloud)
- Linux, Centos7, Ubuntu
- Gitlab, Perforce, Gitlab CI/CD, Github Actions
- Prometheus, Grafana, Alert Manager

## CERTIFICATIONS

- Certified Kubernetes Application Developer , Linux Foundation **2023**
- Python Project : pillow, tesseract and opencv, Coursrera **2019**
- Bash Programming, Ministry of Human Resource and Development **2019**

## LEADERSHIP AND SOCIAL SKILLS

- Spearheaded and Architected projects Micro-Segmentation, Gitlab SSO, Gitlab Pages.
- Participated in VMware Hackathons (Borathon) in 2021, 2022 and 2023.
- Delivered an orientation session for new joiners in 2021, providing insights into SRE and their role at VMware.
- Led the Trojan Horses team in the Smart India Hackathon 2019.
- Served as the team leader for the graduation final year project.

## PROFESSIONAL EXPERIENCE

3+ YOЕ

### Member of Technical Staff 2 ,VMware

June 2021 to Present

- Implemented GitLab Pages on-prem for VMware Developers.
- Performed VMware's Gitlab First Multi-version downtime upgrade.
- Led SSO implementation on our GitLab instance.
- Manage GitLab on CentOS 7 servers (36K+ users, 90K+ repositories).
- Manage Perforce on CentOS 7 servers (3K+ users, 20+ servers)
- Automated and conducted multiple disaster recovery drills for our on-prem GitLab using Ansible and Python.
- Automated GitLab upgrades and testing with Ansible, Python and Selenium.
- Resolved critical P0 issues and incidents during on calls.
- Developed Next.js and Flask app for SCM user onboarding (Next.js, LDAP, Flask, Micro-services).
- Implemented and automated micro-segmentation for enhanced security using Python, REST, Ansible, GitLab CI/CD, vRNI, NSX-T APIs.
- Migrated apps to a secure data center (vSphere).
- Participated in Borathon hackathons (2021, 2022, 2023, Winner in 2021)

### Member of Technical Staff 1 ,VMware

July 2020 to May 2021

- Collaborated on VMware's proprietary Git application to enable advanced functionalities such as Partial Git clone and automatic branch merging, while seamlessly updating information on Jira, Bugzilla, and Service Desk tickets (Django and Gitlab ).
- Implemented comprehensive monitoring, alerting, and health-check solutions for multiple applications using Prometheus, Alert-Manager, Splunk, PagerDuty, and Grafana and Python (Django).
- Streamlined the rolling update process for our Gitlab instances by automating it with Ansible and Puppet.

### Research & Development Intern ,VMware

Jan 2020 to June 2020

Developed, deployed, and set up monitoring and alerting for an internally-used Rest application used to trigger build for P0 VMware applications including VSphere, ESXi, Horizon Workspace, etc . Utilized technologies such as Python 3, Flask, CentOS 7, Docker, Nginx, GitLab API, Puppet, Ansible, Bash Scripts, Postman, NFS v4, Prometheus, and Grafana.

## PERSONAL PROJECTS

- Agent Chanda (Nextjs, Flask, Material UI) **2021**  
<https://www.youtube.com/watch?v=gUvAMnPGkmY>
- Script to check Covid-19 Vaccine Availability **2021**  
<https://github.com/kartikeyangupta/covid19-vaccine-availability-script>
- Elliot Alderson Portfolio Project (Nextjs) **2021**  
<https://github.com/kartikeyangupta/nextjs-elliott-portfolio>

## ACHIEVEMENTS

- Awarded with "At out Best" by the Management twice.
- Open Source Contribution on project - <https://github.com/vmware/bridgeql> (2023)
- Open Source Contribution on project <https://github.com/zalando/postgres-operator> .
- Finalist of Smart India Hackathon , 2019 .
- Winner of Insomnia Hackathon, VNIT, sponsored by Microland 2019 .
- Winner of CodeHunt 2018 and 2019, GCOEN .
- Third in IEEE Coding Competition, RCOEM, 2019 .