

# HRITIK MUNDE

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## SUMMARY

DevOps and Software Engineer with 2 years of experience automating cloud deployments and optimizing CI/CD pipelines. Skilled in Kubernetes, Docker, and Terraform, and Golang provisioning clusters and reducing infrastructure setup time by 40% while cutting pipeline build time by 13 minutes. Authored and tested disaster recovery playbooks, slashing recovery time from 4 hours to 30 minutes. Advocate for automation, monitoring, and operational excellence in distributed environments.

## SKILLS

- **CI/CD:** Jenkins, GitLab CI, GitHub Actions, ArgoCD
- **IaC, Automation & Config Mgmt:** Terraform, Ansible, Chef, Puppet, Vault, Automation
- **Containers & Orchestration:** Docker, Kubernetes, Helm
- **Cloud Platforms:** AWS, GCP, Azure, GKE,
- **Monitoring & Logging:** Prometheus, ELK Stack, Datadog, Splunk, Grafana Loki
- **Programming & Scripting:** Go (Golang), Bash, Python, PowerShell
- **Certifications & Training:** Red Hat Certified System Administrator (RHCSA), Hashicorp Certified: Terraform Associate

## EXPERIENCE

<b>UST</b> <i>DevOps Engineer</i>	<b>Jul 2022 - Jul 2024</b> <i>Pune, India</i>
<ul style="list-style-type: none"><li>• Redesigned <b>GitLab CI/CD</b> pipelines to run lightweight jobs in parallel and reduce docker cache buildup on the runner machine, cutting the average pipeline build time by <b>13 minutes</b></li><li>• Provisioned and automated <b>Kubernetes</b> clusters using <b>Terraform</b> for multiple environments, reducing infrastructure setup time by <b>40%</b> and increasing deployment speed by <b>30%</b>.</li><li>• Built <b>Docker</b> images for microservices and secured them in private repositories with role-based access, cutting deployment failures by <b>15%</b> and boosting release confidence; supported on-call rotations to troubleshoot image-related issues.</li><li>• Authored and tested <b>disaster recovery</b> runbooks and playbooks, conducting dry runs in simulated environments that reduced recovery time by <b>90% (from 4 hours to 30 minutes)</b> and passed client audits.</li><li>• Automated server provisioning, configuration, and patch management for <b>Linux</b> environments using <b>Ansible</b> playbooks, reducing setup time by <b>60%</b> while ensuring compliance with security standards.</li><li>• Implemented monitoring, alerting, and incident response pipelines using <b>Splunk</b> dashboards and <b>Grafana</b>, and collaborated on runbook development, reducing incident detection time by <b>40%</b> and improving root cause analysis efficiency.</li></ul>	

## EDUCATION

<b>INDIANA UNIVERSITY BLOOMINGTON</b> <i>Master of Science, Computer Science</i>	<b>Aug 2024 - May 2026</b> <i>Bloomington, IN</i>
<b>MIT Academy of Engineering</b> <i>Bachelor of Technology, Computer Engineering</i>	<b>Aug 2018 - May 2022</b> <i>Pune, India</i>

## PROJECTS

<b>DISTRIBUTED LOGGING SYSTEM</b>	<b>May 2025</b>
<ul style="list-style-type: none"><li>• Engineered a Kubernetes-native logging system using <b>Go</b> and Fluent Bit, interacting directly with <b>Kubernetes API</b> to centralize 500+ container logs across pods.</li><li>• Enabled color-based filtration across pods and real-time alerting, which reduced debugging time by 40%.</li></ul>	
<b>HONEYPOD SECURITY FARM</b>   Terraform, AWS EKS, Kubernetes, Cowrie, Loki, Grafana	<b>Nov 2025</b>
<ul style="list-style-type: none"><li>• Deployed Kubernetes-native honeypot system on AWS EKS capturing SSH/Telnet attack patterns across 3 server personas.</li><li>• Implemented network isolation using Kubernetes NetworkPolicies and AWS Security Groups to prevent lateral movement.</li><li>• Built observability pipeline with Loki/Grafana for real-time attack visualization, capturing 551 attacks in 48 hours.</li></ul>	

## TEACHING & LEADERSHIP

<b>Indiana University – Luddy School of Informatics, Computing, and Engineering</b> <i>Graduate Teaching Assistant</i>	<b>Aug 2025 - Present</b>
<ul style="list-style-type: none"><li>• Assisted instruction for INFO-I 230 (Analytical Foundations of Security) and CSCI-P 438 (Computer Networks), supporting over 150 students across labs and assignments.</li><li>• Led weekly discussions and office hours, clarifying networking and security concepts, and project scrum interviews.</li></ul>	