

POORVAJ HINGE

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PROFILE SUMMARY

- DevSecOps Engineer with 1.5+ years of experience building, maintaining, and improving secure CI/CD pipelines with integrated quality gates and security scanning; pursuing M.Tech in AI/ML from BITS Pilani
- Hands-on experience integrating **Agentic AI, Model Context Protocol (MCP), and GitHub Copilot** with enterprise DevOps platforms to automate complex, repetitive engineering workflows end-to-end
- Proficient in Jenkins, GitLab CI, Python, Ansible, Docker, Kubernetes, AWS, Azure, and Linux system administration
- Adept at implementing DevSecOps best practices, automating infrastructure, and collaborating with cross-functional teams; strong foundation in security tools (SonarQube, Trivy, OWASP) and Infrastructure as Code (Terraform)

EDUCATION

Degree	Institute	CGPA	Year
M.Tech AI/ML	Birla Institute of Technology and Science (BITS Pilani)	Ongoing	2025–27
B.Tech	Yashwantrao Chavan College of Engineering, Nagpur	8.8/10	2024

PROFESSIONAL EXPERIENCE

Graduate Engineer Trainee – DevOps Engineer (Client: Office Depot), HCLTech October 2024 – Present

- Design, implement, and maintain CI/CD pipelines using Jenkins for 5+ application teams, achieving 99% uptime
- Implement quality gates including SonarQube static analysis, OWASP Dependency Check, and Trivy scanning to enforce code quality
- Integrate **AI-assisted automation using MCP and GitHub Copilot** into existing DevOps workflows, enabling natural language-driven orchestration of Jenkins jobs and Ansible playbooks with minimal human intervention
- Collaborate with development and QA teams to integrate security into SDLC and implement DevSecOps best practices
- Develop Python and Ansible automation scripts reducing manual tasks by 30% and improving incident response
- Monitor systems using Dynatrace, Prometheus, and Grafana, reducing MTTD by 25%
- Scale AWX workloads on Kubernetes, enabling 3x increase in concurrent job execution capacity
- Manage cloud resources on AWS and Azure demonstrating strong problem-solving and collaboration skills

TECHNICAL SKILLS

AI/ML & Agentic Systems: Model Context Protocol (MCP), GitHub Copilot (Advanced), LLM Integration, Agentic Workflow Automation, Prompt Engineering, RAG (Retrieval-Augmented Generation), AI-Driven DevOps

ML Frameworks & Libraries: Python (NumPy, Pandas, Scikit-learn), TensorFlow, PyTorch, Hugging Face Transformers, OpenAI API, LangChain

CI/CD & DevSecOps: Jenkins, GitLab CI, GitHub Actions, Azure DevOps, AWX, GitOps, Argo CD, Quality Gates

Security & Quality: SonarQube, OWASP Dependency Check, Trivy, Snyk, Static Code Analysis, Responsible AI

Cloud & Containers: AWS (EKS, EC2, S3, SageMaker), Azure (AKS, Azure ML), Docker, Kubernetes, Microservices

Infrastructure & Scripting: Terraform, AWS CloudFormation, Python, Ansible, Bash, Git, Maven, Gradle

Monitoring & Linux: Dynatrace, Prometheus, Grafana, Zabbix, Fluent Bit, Incident Response, Linux System Administration

PROJECTS

Agentic Lab Automation: MCP Integration with Jenkins and Ansible Tower

- Architected a semi-automated agentic workflow by integrating **Model Context Protocol (MCP)** with Jenkins pipelines and Ansible Tower, enabling AI agents to orchestrate end-to-end execution of manual, repetitive lab tasks with minimal human intervention
- Leveraged **GitHub Copilot (advanced model)** as the AI interface – engineers submit natural language queries describing a task, and the agent autonomously generates, validates, and triggers the appropriate Jenkins jobs and Ansible playbooks across the toolchain
- Eliminated significant manual effort on routine lab operations; tasks that previously required hands-on execution were reduced to a single conversational prompt, with the AI agent handling the full orchestration lifecycle
- Demonstrated a practical, production-relevant application of **Agentic AI in enterprise DevOps**, bridging LLM capabilities with real infrastructure automation platforms

DevSecOps CI/CD Pipeline with GitOps on AWS EKS

- Architected Jenkins-based pipeline with build, test, security scan, containerization, and deployment stages for Java and Python applications
- Integrated SonarQube for code quality analysis, OWASP Dependency Check, and Trivy for container security as automated quality gates
- Deployed applications to Amazon EKS using Docker and implemented GitOps workflow with Argo CD for continuous deployment
- Applied Infrastructure as Code using Terraform with security best practices and automated testing for security compliance

ACHIEVEMENTS

- Patent Granted (2025):** Automatic Book Digitization Machine – Scalable automation system
- Client Recognition:** Appreciated for exceptional problem-solving, rapid incident resolution, and ability to work in fast-paced environment
- Research Publication (2024):** Published paper in International Journal of Electrical and Electronics Engineering
- Winner at Jagriti Yatra Competition for best Business Plan proposal – E-Mandi
- Google Cloud Facilitator

CERTIFICATIONS

- Advance CMOS and VLSI Design
- Ethical Hacking – NPTEL
- Cryptography And Network Security – NPTEL
- ISRO: Geo-data sharing and Cyber-Security
- EC-Council – Ethical Hacking Essentials
- Programming for Everybody
- Python Data Structures
- Internet Of Things (IOT)