

Satvik Dubey

DevOps | Cloud | AI Engineer

+91 7987285470 | Gandhi Nagar, Itarsi, MP 461111 | satvikdubey268@gmail.com | [Portfolio](#) | [Github](#) | [Linkedin](#)

About Me

B.Tech CSE graduate skilled in **DevOps**, **Cloud Computing**, and **AI-driven automation**. Proficient in **Docker**, **Kubernetes**, **AWS**, **Jenkins**, **Terraform**, **Ansible**, and **IaC tools**. Experienced in **CI/CD pipeline design**, **cloud-native deployments**, and integrating **Generative AI** into workflows. Adept at building **scalable**, **secure**, and **high-availability** systems with strong **monitoring** and **observability** practices.

Work Experience

AIOps Intern – LinuxWorld Pvt. Ltd., Jaipur	(05/2025 – 07/2025)
<ul style="list-style-type: none">Designed and deployed a custom cloud computing platform integrating machine learning models with DevOps pipelines for automation and scalability.Implemented Generative AI features using the ChatGPT API, enabling intelligent system interactions and automated decision-making.Automated deployment workflows with Docker, Kubernetes, and CI/CD, ensuring high availability and seamless model updates.	
DevOps Intern – Netlink Software Pvt. Ltd., Mandideep	(02/2025 – 05/2025)
<ul style="list-style-type: none">Deployed ERPNext on a Docker cluster using Docker Compose, ensuring scalability and ease of management.Built and configured a Kafka–Zookeeper production cluster for real-time data streaming and a 3-node MongoDB cluster for high availability.Conducted research and experimentation with Qdrant vector database for AI-powered search and retrieval use cases.	

Publications

<u>“Cognitive Agents in DevOps: Transforming Observability, Incident Response, and Policy-Aware Automation”</u>	
<i>International Journal of Recent Research and Review, Special Issue-2, 2025</i>	
<ul style="list-style-type: none">Designed and implemented an LLM-powered cognitive agent to enhance observability, automate incident response, and enforce DevSecOps policies in real-time production environments.Demonstrated measurable operational improvements: 44% lower MTTR, 18% higher incident diagnosis accuracy, and 46% reduction in engineer workload.Integrated agentic AI reasoning (ReAct, AutoGen) with policy-as-code governance for secure, explainable, and adaptive reliability engineering.	

Projects

Frappe LMS
<ul style="list-style-type: none">Developed and deployed a custom Learning Management System (LMS) for college using the Frappe Framework, enabling course management, assignments, and student tracking.Integrated role-based access control (RBAC), automated notifications, and reporting modules to streamline academic operations and improve administrative efficiency.Deployed the application on Frappe Cloud , leveraging its managed hosting, scalability, and automated updates to ensure high availability and low operational overhead.
Unified AI DevOps Dashboard
<ul style="list-style-type: none">Developed a Streamlit-based dashboard integrating Docker, Kubernetes, ML, GenAI, IaC, and automation tools in a modular interface.Leveraged Generative AI to automate AI-related infrastructure generation for Docker, Kubernetes, and cloud environments.Streamlined infrastructure setup and AI operations, enabling faster deployment and reduced manual effort.
VedOps – AI-driven DevSecOps-as-a-Service (Concept & Prototype)
<ul style="list-style-type: none">Designed a multi-agent AI architecture themed on Indian mythology for automated CI/CD, cloud infrastructure management, and security enforcement.Leveraged LangChain Agents for intelligent task orchestration in DevSecOps pipelines.Integrated with AWS services for provisioning, monitoring, compliance checks, and incident response.

Skills

Technical Skills
<ul style="list-style-type: none">Cloud Platforms: AWSDevOps & Automation Tools: Docker, Kubernetes, OpenShift, Jenkins, Terraform, Ansible, GitScripting & Programming: Python, Bash, Frappe FrameworkMonitoring & Observability: K8sGPT, Prometheus, GrafanaAI/ML & Productivity Tools: LangChain Agents, Generative AI (ChatGPT API), Prompt Engineering, AiChat, ShellGPT, Codium, BrainboardOperating Systems: Linux (Debian, RHEL)
Soft Skills: Problem Solving, Communication, Teamwork, Adaptability, Leadership

Education

RGPV University, Bhopal	
B.Tech in Computer Science and Engineering	August 2021-June 2025
Vardhaman Public School, Itarsi	
Higher Secondary , Central Board Of Secondary Education	April 2018 - May 2021

Certifications & Leadership

<ul style="list-style-type: none">Red Hat Academy Campus Ambassador (2022 – 2025) – Conducted technical training sessions, promoted Red Hat certification programs, and facilitated student engagement in open-source technologies.Technical Club Coordinator (11/2023 – 05/2025) – Organized hands-on workshops on Linux administration, automation tools, and DevOps best practices, fostering peer learning and skill development.
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