

SIDDHANT DEMBI

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EDUCATION

Bachelor of Engineering in Information Technology	Thadomal Shahani Engineering College, University of Mumbai	2025	8.09 CGPA
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SKILLS

Cloud & DevOps	AWS (EC2, S3, Lambda, DynamoDB, Bedrock), Azure DevOps, Docker, Git, CI/CD, GitHub Actions, Linux, Jenkins, Salesforce, Copado, Scripting, Kubernetes (K3s)
Infrastructure	Prometheus, Grafana, Proxmox, TrueNAS, Cloudflare, WireGuard, Mailcow, Unbound
AI & Automation	Ollama, OpenWebUI, Hermes Agent, OpenClaw, Local LLMs, N8N, Stable Diffusion
Languages	Python, JavaScript, TypeScript, SQL, Bash, Shell Scripting, YAML, HTML, CSS

EXPERIENCE

DevOps Engineer, Analyst | Deloitte USI, Mumbai | Full-time Sept'25 – Present

- Implemented an **AWS Bedrock AI agent** using Python and Lambda to analyse **40+** weekly GitHub PRs and classify their risk levels
- Built two **Azure DevOps YAML CI/CD pipelines** for Salesforce validation and deployment using the GitFlow branching strategy
- Managed **CI/CD pipelines and Salesforce deployments** using **Copado**, overseeing release operations across **12** project pods
- Developed automated **CI/CD pipelines** connecting **GitHub Actions and Jira** to auto-create branches upon story status transitions
- Managed daily **Salesforce delta deployments** using **Jenkins and Bitbucket**, ensuring consistent and reliable production releases

Software Development Engineer | Ford Motor Company, Chennai | Internship [Demo] Jun'24 – Jul'24

- Developed 3D car configurator using **Three.js and Next.js**, supporting **450K+ configurations** with responsive UI via TailwindCSS
- Optimized complex 3D models in **Blender**, ensuring seamless integration and rendering in the interactive web application
- Containerized application with **Docker**, reducing deployment issues by **40%** and ensuring consistency across environments

Software Development Engineer | Entelligentsia, Pune | Internship Dec'23 – Dec'23

- Created **5 serverless REST APIs** using **AWS Lambda** and Python, integrated with **DynamoDB** for scalable backend services
- Set up **JWT authentication**, used Regex for validation across 5 endpoints, and configured YAML with **Serverless Framework**
- Ensured **100% endpoint coverage** by testing AWS Lambda functions using **Postman and unit tests**, improving reliability

Data Analyst | Decimal Point Analytics, Mumbai | Internship [Demo] May'23 – Jul'23

- Reduced data preparation time by **50%** by developing **Streamlit applications in Python**, automating repetitive data cleaning tasks
- Achieved **30% faster CSV and Excel data cleaning** using **Databricks with PySpark**, improving overall workflow efficiency
- Obtained technical experience with **Milvus** by working through documentation and applying concepts to sample datasets

PROJECTS

Proxmox Homelab Infrastructure [Link]

- Built and maintained **three on-premises server nodes** for self-hosted services, AI experimentation and infrastructure development
- Architected **100+ containers and 10+ VMs**, and ran a three-node **Kubernetes cluster using K3s**: one control plane and two workers
- Leveraged **Cloudflare Tunnel** as a reverse proxy and managed DNS records through Cloudflare for secure service exposure
- Established **AdGuard Home with Unbound** for upstream DNS resolution and **WireGuard VPN** for secure remote network access

Local AI & LLM Automation Platform

- Set up a dedicated AI VM with **GPU passthrough**, running **Ollama and OpenWebUI** for local inference with open-source LLMs
- Configured **Hermes Agent** with local **Qwen and Gemma MoE models** for autonomous workflows with Telegram integration
- Used **Prometheus and Grafana** to monitor GPU memory usage and performance metrics of the dedicated AI VM
- Deployed **N8N** for workflow automation and **Stable Diffusion** for experimenting with local image generation

Infrastructure Monitoring & Backup System

- Implemented a **3-2-1 backup strategy** with daily scheduled snapshots for VMs and data, ensuring data integrity and recovery
- Centralized VM resource monitoring through **Beszel** with **SMTP alerts via a local mail server** for disk-space thresholds
- Monitored real-time resource utilization, processes and system activity across individual virtual machines using **Glances**