

Puneet Bhairannavar

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OBJECTIVE

Aspiring DevOps Engineer with hands-on experience in **Docker, Kubernetes, Terraform, and Jenkins**. Proficient in **AWS, Linux, and Git**, with a strong foundation in **CI/CD pipeline** implementation. Driven by a passion for infrastructure automation, cloud technologies, and building resilient, scalable systems.

EDUCATION

Bachelor of Engineering , Artificial Intelligence and Data Science KLE College of Engineering and Technology, Chikodi CGPA: 8.13	2022-2026
Pre-University Education , KLE Independent PU Science College, Nipani Percentage: 86.5%	2020-2022
SSLC , KLE Society's K.G & English Medium School, Nipani Percentage: 87%	2020

SKILLS

Programming:	Python
Cloud:	AWS (EC2, VPC, S3, IAM, CLOUDWATCH, EKS)
Containers:	Docker, Docker Compose, Kubernetes (K8S)
CI/CD & SCM:	Git, GitHub, Jenkins (Basics)
Scripting:	Bash, Python, Shell Scripting
Monitoring:	Prometheus, Grafana

INTERNSHIPS

Pyspiders, Bengaluru, Karnataka	Jan 2026 - April 2026
- Learned Python from basics to advanced (OOPs, scripting, automation) with hands-on experience in Git, GitHub, Docker, Docker Compose, and Kubernetes. - Deployed and managed applications on AWS Cloud using EC2, EKS, and S3, applying real-time DevOps practices Across the development and deployment lifecycle.	
Codetech It Solutions	Jan 2025 - Mar 2025
- Gained hands-on experience in Python programming, working on real-time tasks and strengthening core concepts throughout the internship. - Developed and executed Python-based programs and scripts, enhancing problem-solving skills and practical coding ability.	

PROJECTS

1. 2048 Game Deployment on AWS EKS

- Deployed a **fully containerized application on AWS EKS with Fargate** using **eksctl** and **kubectrl**, achieving a **serverless Kubernetes compute** environment and completely eliminating EC2 instance management overhead.
- Configured **AWS Load Balancer Controller** via **Helm Charts**, integrated **IAM OIDC Provider** and **IRSA (IAM Roles for Service Accounts)** to securely expose the application through an **Application Load Balancer (ALB) Ingress** — ensuring **secure, scalable traffic routing**.
- Provisioned a **production-grade, end-to-end cloud infrastructure** on Ubuntu — including **EKS cluster setup, Fargate profiles, and IAM policy configuration** — with structured **resource cleanup strategy** to optimize AWS cost management.

2. Containerized 3-Tier Web App using Docker & Docker Compose

- Architected and developed a **production-style, full-stack 3-tier e-commerce application** with **Python/Flask** as the backend, **HTML/CSS/JS** as the frontend, and **MySQL** as the database — following **clean separation of concerns** across presentation, business logic, and data layers.
- Containerized and orchestrated the entire multi-service application** using **Docker and Docker Compose**, enabling **one-command deployment**, service isolation, and seamless inter-container networking — demonstrating real-world **DevOps containerization best practices**.

3. AI-Powered Virtual Keyboard Using Hand Motion Recognition

- Engineered an **AI-driven virtual keyboard** leveraging **OpenCV** and **MediaPipe** for **real-time hand gesture recognition**, implementing advanced **hand landmark detection** and **finger tracking algorithms** to accurately map gestures to keyboard inputs with high precision.
- Built entirely in **Python**, demonstrating practical expertise in **Computer Vision, AI model integration**, and real-world application of **gesture-based human-computer interaction (HCI)** — showcasing the ability to work beyond traditional DevOps into AI-powered tooling.