

# Yuvraj Ambade

Bachelor of Technology in Computer Science and Engineering  
Pimpri Chinchwad College of Engineering and Research

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## EDUCATION

### • Bachelor of Engineering in Computer Science and Engineering

*Pimpri Chinchwad College of Engineering and Research, Pune*

2020-24

CGPA: 9.2

## EXPERIENCE

### • DevOps & Site Reliability Engineer

*Accacia.ai*

June 2024 - Present

Bangalore

- Sole DevOps and SRE contributor, owning infrastructure, CI/CD, observability, and system reliability across the org.
- Led a critical migration from AWS Managed Neptune to self-hosted MemgraphDB, cutting cloud costs by ~\$300–\$400/month while maintaining system performance.
- Automated infrastructure provisioning using Terraform, enabling consistent, scalable environments across AWS and multi-cloud platforms.
- Contributed to backend development using NestJS, building a notification service integrated with the core infrastructure.
- Managed container orchestration with Amazon EKS and Docker, improving deployment consistency and resource efficiency.
- Built and maintained CI/CD pipelines with Bitbucket, reducing deployment errors and accelerating release velocity.
- Deployed microservices on AWS EC2/S3 with Docker, and implemented robust database backup and replication strategies.
- Integrated OpenSearch, developed a custom Prometheus exporter for MemgraphDB, and improved observability and proactive alerting.
- Worked with cross-functional teams to implement Kubernetes, GitOps, and IaC best practices, boosting uptime and operational resilience.

### • Software Developer Intern

January - June 2024

*SteepGraph Systems*

Pune

- Assisted in building Jenkins pipelines for CI/CD automation and Git-based version control workflows.
- Containerized internal tools using Docker and provisioned sandbox environments with Terraform.

## PERSONAL PROJECTS

### • Self-Hosted Streaming Platform

*Built and self-hosted a complete media streaming platform using open-source tools, ensuring seamless access across devices.*

- Deployed and configured Jellyfin, Radarr, Sonarr, and Bazarr in a Docker environment for media management and streaming. Enabled remote secure access with Tailscale VPN; set up real-time monitoring and alerts using Beszel.
- Implemented OpenSearch for enhanced media metadata indexing and search capabilities.
- Used Tailscale VPN to securely access the platform from anywhere, ensuring private and encrypted remote access.
- Integrated Beszel to monitor infrastructure health and send real-time notifications for system status and failures.
- Automated content organization and retrieval, improving efficiency and reducing manual intervention.

### • Diksha - OCR Plugin

*Led front-end development for a Smart India Hackathon 2022 project, integrating advanced OCR technology.*

- Spearheaded the frontend development of an innovative application as part of the Smart India Hackathon 2022 Software Edition
- Collaborated with team members to incorporate cutting-edge OCR technology, utilizing Facebook D2Go to extract text from images

## TECHNICAL SKILLS AND INTERESTS

**Cloud and DevOps:** AWS, Docker, Kubernetes (EKS), Terraform, Bitbucket

**Monitoring & Observability:** Prometheus, Grafana, Loki, OpenSearch

**Languages:** Java, SQL, Bash, Dart, Python

**Version Control & Automation:** Git, GitHub, Bash Scripting, Terraform (IaC), BitBucket

**Frameworks & Tools & Technologies :** AWS SDK, Spring Boot, Android Studio, VS Code, Memgraph, MySQL

## POSITIONS OF RESPONSIBILITY

### • DevOps Leadership Experience

- Led DevOps at a startup, driving CI/CD, infra automation, and Kubernetes deployments using Terraform & Docker. Mentored even senior engineers on cloud architecture, observability, and DevOps best practices.