

# Vidit Pawar

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## SUMMARY

Cloud & DevOps Engineer with hands-on experience automating cloud infrastructure and CI/CD pipelines across AWS and Azure using Terraform, Kubernetes, and Python. Proven track record improving deployment reliability, security posture, and operational efficiency in enterprise environments.

## EXPERIENCE

### McKeever Lab - University of Arizona

January 2026 – Present

Cloud Support Engineer

Remote

- Engineered an automated cloud benchmarking platform using Terraform to provision reproducible Hadoop/Spark environments on Azure and evaluate runtime, resource utilization, reliability, and cost
- Built a performance optimization engine that analyzes workload/infrastructure metrics to predict execution time, flag resource bottlenecks, and recommend cost-efficient cluster configurations for data-driven capacity planning

### Blue Cross Blue Shield of Arizona

May 2025 – August 2025

DevOps Engineer Intern

Phoenix, AZ

- Standardized 300+ CI/CD pipelines across 5 teams by integrating automated SAST & DAST scanning through SonarQube/Veracode, advancing HIPAA-compliant release practices in a healthcare enterprise environment
- Built a PowerShell-based automation to identify around 70 inactive Azure DevOps users across license tiers, replacing manual account reviews, uncovering roughly \$30K in potential annual licensing cost savings
- Implemented 7 smoke tests and REST API validation checks with automated email notifications, establishing automated quality gating for critical API pipelines

### LTIMindtree

July 2022 – May 2024

Cloud Engineer

Mumbai, India

- Engineered Python and AWS Lambda automation across infrastructure provisioning, resource management, monitoring, and optimization, reducing repetitive operational work for cloud infrastructure teams
- Built Ansible playbooks and Terraform modules to provision and configure Azure infrastructure, streamlining environment setup and reducing manual configuration time by over 80%
- Owned 24/7 production reliability for a Fortune 500 energy client, resolving 50+ monthly production incidents through Azure infrastructure troubleshooting and root-cause remediation to minimize downtime

## HIGHLIGHT PROJECTS

### Aegis Self-Healing Kubernetes Platform | Go, Kubernetes, Prometheus, Argo Rollouts, Docker | [GitHub](#)

- Built an event-driven Kubernetes controller in Go auto-remediating crash-looping pods, with Argo Rollouts canary deployments gated on live Prometheus success-rate metrics  $\geq 95\%$  and Discord alerting

### Dynamic Fare Estimation for NYC Yellow and Green Taxis | Docker, Redis, GitHub Actions, DigitalOcean | [GitHub](#)

- Built a containerized full-stack fare prediction system using Docker and Redis caching, automating CI/CD deployments to DigitalOcean via GitHub Actions for real-time inference at scale

### Healthcare Provider Linkage API | Python, FastAPI, PostgreSQL, Pandas, Scikit-learn | [GitHub](#)

- REST API integrating 3 federal datasets (Open Payments, PECOS, Medicare 2023), aggregating 18M+ CMS records for unified provider search and ML-based scoring with scalable systems design

## TECHNICAL SKILLS

**Cloud & Infrastructure as Code:** Microsoft Azure, Amazon Web Services, Terraform, AWS CloudFormation, Ansible

**Containers & Orchestration:** Docker, Kubernetes, Amazon EKS, Azure AKS, ArgoCD, Argo Rollouts

**CI/CD & Release Engineering:** Azure DevOps, GitHub Actions, Jenkins

**Monitoring & Security:** Azure Monitor, CloudWatch, Prometheus, Grafana, IAM, Azure Key Vault

**Languages & Automation:** Python, Go, Bash, PowerShell, Git, GitHub

## EDUCATION

### University of Arizona

August 2024 – December 2025

Master of Science, Management Information Systems | GPA: 3.94

Tucson, AZ

### University of Mumbai

July 2018 – June 2022

Bachelor of Technology, Electronics & Telecommunication Engineering

Mumbai, India