

# SAKSHAM SINGH PUNDHIR

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## Professional Summary

Cloud and DevOps Engineer with 6 months of hands-on internship experience provisioning and managing AWS infrastructure, automating deployments with Terraform and GitHub Actions, and enforcing security best practices through least-privilege IAM design. Proficient in building CI/CD pipelines, containerising applications with Docker, and maintaining high-availability Linux environments. Seeking a junior Cloud or DevOps role where I can apply and grow these skills in a collaborative team.

## Work Experience

### ATH Infosystems – Cloud Engineer Intern

Aug 2024 – Jan 2025

- Administered Ubuntu Linux server environments across multiple client workloads — handled package management, user configuration, and system-level troubleshooting, maintaining consistent uptime for client-facing services.
- Automated application provisioning on AWS EC2 instances using shell scripts and configuration management, reducing manual setup steps and improving environment consistency across staging and production.
- Provisioned and managed AWS infrastructure (EC2, S3, IAM) — defined least-privilege IAM policies and security group rules to reduce attack surface for production workloads.
- Diagnosed and resolved infrastructure incidents, coordinating with the team to restore affected services and document root causes for future prevention.

## Projects

### Personal Cloud Portfolio | [AWS S3](#) · [CloudFront](#) · [Route 53](#) · [ACM](#) · [Terraform](#) · [GitHub Actions](#) [Live Site](#) [GitHub](#)

- Architected a static site on AWS using S3 + CloudFront + Route 53 + ACM — provisioned entirely via Terraform; achieved sub-100ms latency with zero manual console configuration.
- Built a GitHub Actions CI/CD pipeline to automate Terraform plan and apply on every push, cutting deployment steps from a multi-command manual process to a single git push.

### 3-Tier Application Deployment on AWS | [EC2](#) · [RDS](#) · [S3](#) · [ALB](#) · [VPC](#) · [IAM](#) · [CloudWatch](#) · [Terraform](#) [GitHub](#)

- Deployed a 3-tier AWS architecture (S3 + CloudFront frontend, Flask on EC2 with Auto Scaling, RDS Multi-AZ backend) inside a custom VPC with public/private subnets, an Application Load Balancer, and a bastion host — fully provisioned via Terraform.
- Secured the infrastructure with least-privilege IAM roles, private subnet isolation, CloudWatch alarms for key metrics, and automated RDS snapshots for data durability.

### End-to-End CI/CD Pipeline | [GitHub Actions](#) · [Docker](#) · [EC2](#) · [Docker Hub](#) · [Python \(pytest\)](#) [GitHub](#)

- Built a fully automated CI/CD pipeline using GitHub Actions: runs pytest on every commit, builds and pushes a Docker image to Docker Hub, then deploys to EC2 over SSH — reducing the release process from a manual multi-step workflow to a single code push.
- Implemented deployment health checks, rollback logic on failed deploys, and encrypted secrets management via GitHub Actions secrets to keep credentials out of the codebase.

## Technical Skills

**Cloud:** AWS (EC2, S3, RDS, IAM, VPC, CloudFront, Route 53, CloudWatch, Auto Scaling, ALB)

**IaC & CI/CD:** Terraform, GitHub Actions

**Containers:** Docker, Kubernetes

**Programming & Scripting:** Python (Boto3), Bash

**Version Control:** Git, GitHub

**OS & Networking:** Linux (Ubuntu), Networking Fundamentals, Network Segmentation, VPC design

**Practices:** DevOps, CI/CD pipelines, Least-privilege security, Infrastructure as Code, High Availability design

## Certifications & Training

**AWS Cloud Practitioner Essentials** – AWS Training course, completed Jul 2024

**AWS Cloud Quest: Cloud Practitioner** – AWS Skill Builder hands-on labs, completed Aug 2024

## Education

**BCA – Bachelor of Computer Applications**

2022 – 2025

Tirupati College of Technical Education, Pratap Nagar, Jaipur · CGPA: 7.80 / 10 (First Class)