

SAKSHAM SINGH PUNDHIR

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Professional Summary

Cloud Engineer with hands-on experience in deploying and managing AWS infrastructures. Proficient in Terraform, Linux administration, and Python automation, with a solid foundation in networking and cloud fundamentals. Driven to deliver scalable, secure, and cost-optimized cloud solutions while rapidly growing expertise.

WORK EXPERIENCE

ATH Infosystems - Cloud Engineer Intern (Aug 2024- Oct 2024)

- Managed **Linux (Ubuntu) environments** for installation, configuration, and troubleshooting tasks.
- Installed and configured **software packages** to support project deployments and system reliability.
- Executed and monitored **test scripts** to validate functionality and performance.
- Generated and managed **Certificates** for secure deployments and integrations.
- Gained hands-on experience with **AWS core services (EC2, S3, IAM)** for cloud infrastructure management.
- Collaborated with teams to implement **structured workflows**, improving deployment efficiency.
- Enhanced problem-solving skills by troubleshooting **real-world infrastructure challenges**.

PROJECTS

Personal Cloud Portfolio | [Live Site](#) [GitHub Repository](#)

AWS S3 | CloudFront | Terraform | GitHub Actions

- Built and hosted a **personal portfolio website** using **AWS S3 and CloudFront** with a custom domain.
- Implemented **Infrastructure as Code (IaC)** using **Terraform** to automate resource provisioning.
- Integrated **GitHub Actions** for CI/CD, reducing manual deployment steps by **80%** and ensuring **zero downtime** during updates.

3-Tier Application Deployment on AWS | [Live Site](#) [GitHub Repository](#)

AWS EC2 | RDS | S3 | ALB | VPC | IAM | CloudWatch | Terraform

- Designed and deployed a **3-Tier Web Application** with an **HTML and CSS frontend**, a **Flask backend**, and a **Postgres RDS database**.
- Automated infrastructure setup using **Terraform**, ensuring scalability, security, and high availability.
- Configured **CloudWatch** for monitoring and logging, improving visibility and operational efficiency.
- Documented the architecture with clear diagrams to represent networking, security, and application flow.

TECHNICAL SKILLS

Programming Languages: Python, Bash

Cloud & DevOps Tools: Cloud & DevOps Tools: AWS (EC2, S3, RDS, IAM, VPC, CloudFront, CloudWatch, Lambda, Serverless architectures), Docker, Kubernetes (*basics*)

Cloud Automation & Scalability: IaC (Terraform), CI/CD, Cost Optimization, High Availability, CloudWatch Monitoring

Version Control & Tools: Git, GitHub, VS Code, Postman

Core Concepts: Networking Fundamentals, Linux, API Integration, Boto3 (AWS SDK for Python)

Operating Systems & Other: Linux (Ubuntu), Agile methodologies

CERTIFICATIONS

AWS Certified Cloud Practitioner (*In Progress – Expected Completion: Dec 2025*)

Completed **AWS Cloud Practitioner Essentials**, **AWS Cloud Quest**, and hands-on S3 & EC2 labs.

EDUCATION

BCA – Bachelor of Computer Applications | CGPA – 7.79 / 10 (*First Class*)

2022-2025

Tirupati College of Technical Education, Pratap Nagar, Jaipur