Shyam Patidar

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PROFILE SUMMARY

AWS Certified Solutions Architect – Associate with hands-on experience in AWS, Linux, Python, and DevOps practices. Skilled in designing secure, scalable, and highly available cloud architectures using AWS services. Passionate about cloud infrastructure, automation, and building reliable solutions that align with industry best practices.

EDUCATION

Master of Computer Application (MCA) **Aug 2024 – June 2026**
Jawaharlal Institute of Technology Borawan, Khargone

Bachelor of Computer Science (BSc) **Aug 2021 – Aug 2024**
ISBA Institute of Professional Studies, Indore

TECHNICAL SKILLS

- **Cloud & Architecture:** AWS Solutions Architecture, EC2, S3, RDS, IAM, VPC, CloudWatch
- **DevOps & Automation:** Docker, Git, GitHub Actions, Kubernetes, AWS CloudFormation
- **Operating Systems:** Linux
- **Programming & Scripting:** Python, Shell Scripting, Java
- **Backend & Databases:** Django, MySQL
- **Core Concepts:** Cloud Security, Networking, Infrastructure as Code (IaC), Data Structures & Algorithms

EXPERIENCE

AWS re/Start Trainee **March 2026 – June 2026**
Generation India

- **Designed and deployed** secure AWS cloud architectures using custom VPCs, subnets, and IAM policies to enhance infrastructure security.
- **Configured** scalable AWS environments using Linux, web servers, and databases while ensuring reliability and scalability.
- **Implemented** Auto Scaling and Multi-AZ architectures to enhance application availability, fault tolerance, and operational reliability.

PROJECTS

Multi-AZ 2-Tier Web Application **AWS VPC, EC2, ALB, Auto Scaling, RDS, CloudWatch**

- Ensured high application availability and fault tolerance by deploying an Application Load Balancer (ALB) alongside Multi-AZ Auto Scaling.
- Configured high data durability and automated failover capabilities by implementing Multi-AZ RDS MySQL with synchronous replication.
- Isolated the database tier within private subnets of a custom VPC and improved monitoring efficiency using CloudWatch metrics and alerts.

Secure File Upload & Sharing System **AWS S3, Lambda (Python), DynamoDB, KMS, CloudFront**

- Secured sensitive data storage by enforcing AWS KMS encryption and implementing strict private S3 bucket policies.
- Optimized infrastructure usage and scalability by transitioning to a serverless event-driven model using Lambda (Python) and DynamoDB.
- Improved content delivery speed and secured access by leveraging CloudFront for generating and distributing pre-signed URLs.

CERTIFICATIONS

- AWS Certified Solutions Architect – **Associate (SAA-C03)**
- Python Certification - **United Latino Students Association**