SHIVANI VERMA

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PROFILE:

Aspiring AWS Cloud Solution Architect with hands-on experience in designing and deploying scalable, secure cloud solutions using EC2, S3, VPC, RDS, and Lambda. Skilled in Terraform, CloudFormation, Docker, and CI/CD tools like Jenkins and CodePipeline. Strong background in Python, Linux, and system administration. Currently preparing for AWS Solutions Architect – Associate certification.

TRAINING & EXPERIENCE :

APTRON, Gurugram

Cloud Solution Intern| January, 2025- present

- Designed secure, scalable AWS architectures using EC2, S3, VPC, and RDS.
- Led cloud migrations and deployments in collaboration with cross-functional teams.
- Automated infrastructure with CloudFormation and Terraform, improving efficiency.
- Optimized performance and cost using CloudWatch and Trusted Advisor.

Uncodemy, Noida

Python with Data Science | June, 2024 - July, 2024

- Gained hands-on experience in Python, machine learning, and data analysis using Pandas, NumPy, and Matplotlib.
- Built and evaluated ML models (regression, classification, clustering) using scikit-learn.
- Applied data preprocessing, feature engineering, and model tuning on real-world datasets.
- Worked on NLP tasks using NLTK and spaCy for text classification and sentiment analysis.

Solitaire Infosys, Mohali

Java Developer| June, 2023 - July, 2023

- Learned core Java concepts including OOP, exception handling, multithreading, and collections.
- Developed Java applications implementing data structures and algorithmic problem-solving.
- Built dynamic web applications using Java Servlets and JSP.
- Gained hands-on experience in backend development and server-side programming with Java.

TECHNICAL SKILLS

Cloud Computing: Amazon Web Services (AWS): EC2, S3, IAM, VPC, Lambda, RDS, DynamoDB, Route 53, CloudFront, API Gateway, SNS, SQS, SES, CloudFormation, CloudWatch, CloudTrail, EventBridge, Systems Manager, AWS Backup.
Infrastructure as Code (IaC): Terraform, AWS CloudFormation, Ansible.
CI/CD & DevOps Tools: Git, GitHub, Jenkins, AWS CodePipeline, ArgoCD, Helm, Kubernetes (EKS).
Networking & Security: Amazon VPC, Subnets, NAT Gateway, Route Tables, Security Groups, NACLs, VPN, AWS WAF, AWS Shield.

Monitoring & Observability: AWS CloudWatch, CloudTrail, Prometheus, Grafana.
System & Server Administration: Linux (Ubuntu, Amazon Linux, RHEL), Windows Server, Shell Scripting, CRON Jobs, SSH.
Programming & Scripting: Python, Bash, SQL, YAML, JSON.
Cloud SDK & Development Tools: AWS CLI, Boto3, VS Code, Postman.
Containerization & Orchestration: Docker, Kubernetes, Helm.

PROJECTS

Automated EC2 Start-Stop Scheduler Using AWS Lambda & EventBridge

- Developed a serverless automation workflow using AWS Lambda and EventBridge to manage EC2 instance uptime.
- Configured scheduled events to automatically start EC2 instances at 9:00 AM and stop them at 6:00 PM daily.
- Reduced manual intervention and optimized cloud resource costs through automated scheduling.
- Implemented secure access and monitoring using IAM roles, CloudWatch Logs, and EC2 status checks.

Scalable Multi- Tier Web Application

- Deployed a scalable 3-tier web application on AWS using EC2, ALB, Auto Scaling, and RDS for high availability and fault tolerance.
- Secured infrastructure with VPC, subnets, NACLs, and security groups to control access between tiers.
- Automated infrastructure provisioning with Terraform (or AWS CDK) for consistent environments.
- Monitored performance using CloudWatch and optimized scaling to handle variable traffic loads.

EDUCATION

2021 - 2025 | Sardar Beant Singh State University, Gurdaspur
Bachelor of Technology - Computer Science Engineering CGPA: 8.7

2020 - 2021 | Lovely Higher Secondary School, Dansal, Jammu
High School (Class XII) - Science (Non-Medical)
Percentage: 95.6%

SOFT SKILLS

Communication, Time Management, Teamwork, Problem-Solving