Tirth Raval

Cloud & Network Engineer

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Palanpur, Gujarat, India

Summary

IT professional with a BSc in Information Technology, specializing in Architecture and Network Security. Gained hands-on experience in CCNA and AWS during an internship at IANT, developing strong skills in networking and cloud technologies. Proficient in deploying and managing AWS services (EC2, S3, IAM, VPC, CloudWatch) and configuring network setups (Switching, Routing Protocols, Subnetting, IP Addressing) using Cisco Packet Tracer. Passionate about cloud and network technologies, seeking to apply skills in professional environments.

Education

Bachelor of Science

Information Technology (Architecture and Network Security)

Gujarat University - Ahmedabad, India | 2022 – 2025

Comprehensive study of information technology with specialization in system architecture and network security. Gained foundational knowledge in programming, operating systems, networking protocols, and cybersecurity principles.

Certification in AWS Cloud (Solutions Architect - Associate)

IANT | Palanpur, India

2025

Intensive training program focused on AWS cloud services and solutions architecture. Gained hands-on experience with key AWS services and cloud best practices.

Skills Acquired:

- AWS EC2
- S3
- IAM
- VPC
- CloudWatch

Training in CCNA (Routing, Switching, and Network Fundamentals)

IANT | Palanpur, India

2025

Comprehensive networking training covering Cisco networking fundamentals, routing protocols, switching technologies, and network troubleshooting using Cisco Packet Tracer.

Skills Acquired:

- Routing Protocols
- Switching
- VLANs
- Network Security

Certifications

AWS Certified Solutions Architect - Associate

Awarding Body: Amazon Web Services (AWS)

Issue Date: April 12, 2025 | Expiration Date: April 12, 2028

Validation Number: c886554299f14d55914d9544b2b05e20

Validate At: https://aws.amazon.com/verification

Skills

AWS Cloud Services:

Networking Technologies:

- AWS EC2 Instance Management
- Amazon S3 (Object Storage & Static Hosting)
- IAM (Access Control & Security Policies)
- Amazon VPC (Custom Networking & Subnets)
- CloudWatch (Monitoring & Alerts)
- Route 53 (Domain Management & DNS)
- Routing Protocols
- Switching
- Cisco Server Configuration

Experience

Cloud & Network Intern

IANT | Palanpur, India

February 2025 – May 2025

Key Responsibilities:

- Deployed and managed AWS services like EC2, S3, IAM, VPC, and CloudWatch.
- Built secure network setups using Cisco Packet Tracer.
- Configured VLANs, Routing Protocols, and Subnetting in simulated environments.
- Implemented cloud security best practices and access control policies.
- Monitored system performance and configured automated alerts.

Technologies Used:

- AWS EC2
- Amazon VPC
- Cisco Packet Tracer
- Subnetting
- Amazon S3
- CloudWatch
- Routing Protocols
- AWS IAM
- Route 53
- Switching

Key Achievements:

- Successfully completed AWS Solutions Architect Associate certification.
- Designed and implemented secure cloud infrastructure solutions.
- Gained proficiency in network troubleshooting and optimization.
- Developed expertise in cloud security and compliance.

Projects

AWS Cloud Infrastructure Project

Personal Project

Dates (e.g., Mar 2024 - Apr 2024)

- Designed and deployed a scalable web application infrastructure on AWS.
- Utilized **EC2** for virtual servers, **S3** for static content hosting, and **VPC** for network isolation.
- Configured **IAM** roles and policies for secure access control to AWS resources.
- Managed DNS routing with **Route 53** and set up monitoring with **CloudWatch** for performance and alerts.

View on GitHub

Network Configuration & Security Project

Personal Project

Dates (e.g., Feb 2024)

- Simulated and configured a multi-segment network using **Cisco Packet Tracer**.
- Implemented various **Routing Protocols** (e.g., OSPF, EIGRP) to ensure efficient data flow.
- Configured **Switching** (VLANs, STP) for network segmentation and redundancy.
- Applied **Cisco Server Configuration** best practices for secure network device management.

View on GitHub