Ajinkya Desai

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OBJECIVE

Passionate about learning new technologies and building my career as a Cloud/DevOps Engineer, skilled in AWS, Linux, and Networking to deliver scalable and secure cloud solutions. An excellent team player with strong communication skills.

EDUCATION

B. Tech (Computer Science Engineering)
Shivaji University (TKIET)   **2021 - 2025**
Class: A

HSC
Chate jr. Collage Karad   **2020 - 2021**
80%

SSC
Chatrapati Sambhaji Vidhylay, Shivnagar   **2018 - 2019**
79%

SKILLS

- **AWS Services: EC2**, **S3**, RDS, **VPC**, **IAM**, Lambda, CloudFormation, **CloudWatch**, Auto Scaling, SNS, **Linux**.
- **Networking:** Subnetting, Routing, Switching, **NAT**, Load Balancing, **Firewalls**, Network Security.
- **Database Management:** MySQL, Oracle SQL, Microsoft SQL Server
- **Tools: GitHub**, Microsoft Office (Word, Excel, PowerPoint)

PROJECTS

3-Tier Java Web Application Deployment on AWS   **October 2025**

- Designed and deployed a secure, scalable 3-tier architecture on **AWS** for a Java-based Student Registration System.
- Built a custom **VPC** with public and private **subnets**, configured **NGINX** as a reverse proxy, and hosted the application on Apache Tomcat.
- Integrated Amazon **RDS** (MariaDB) for reliable data storage and automated backups.
- Implemented Security Groups and a **NAT Gateway** to enable secure communication between tiers and ensure high availability.
- Automated deployment steps and optimized network routing to improve application performance and accessibility.
- Ensured seamless data flow between **proxy**, application, and database layers for better reliability and scalability.

  Technology Stack: AWS (VPC, **EC2**, RDS, NAT Gateway, Security Groups), NGINX, Apache Tomcat, Java, JDBC, MariaDB, Amazon **Linux**.

Application Load Balancer Deployment on AWS   **September 2025**

- Deployed and configured an **AWS Application Load Balancer** (ALB) to efficiently distribute incoming traffic across multiple **EC2** instances using path-based routing and health checks.
- Ensured high availability, scalability, and fault tolerance by integrating **target groups**, listeners, and automated web server setup with **user-data scripts**.
- Implemented security groups and **IAM roles** to enable secure communication between resources.
- Configured multiple **target groups** for different web pages (Home, Laptop, Mobile) to demonstrate **load balancing** and **routing** efficiency.
- Verified successful deployment by testing **DNS** endpoints and monitoring instance health status through the AWS Management Console.

  Technology Stack: AWS (EC2, Application Load Balancer, IAM, Security Groups), **Linux**, Apache Web Server, User-Data Scripts

WordPress Website Deployment on AWS

September 2025

- Designed and deployed a secure, scalable, and production-ready **WordPress website** on **AWS EC2** using the **LAMP stack (Linux, Apache, MariaDB, PHP)**.
- Automated the installation and configuration of **Apache, PHP, and MariaDB** using a custom **Bash script** for faster and consistent setup.
- Configured **WordPress CMS**, created and connected the **database**, and optimized file permissions for smooth deployment.
- Ensured **high availability, security, and scalability** by managing network configurations, SSH access, and public IP setup.
- Validated successful deployment by testing connectivity, database integration, and frontend accessibility of the website.

  Technology Stack: AWS EC2, Amazon Linux, **LAMP**, Apache, MariaDB, PHP, WordPress, Bash Scripting, **SSH**

CERTIFICATION

DevOps With AWS   **2025 - Present**
Fortune Cloud, Pune