

DIPESH MANDAL

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Proficient in Aws Cloud Services, DevOps, Coding, Scripting, Troubleshooting, Automation, and Support.

SKILLS

- Languages:**
C++, Python, Bash Shell Scripting
- AWS Cloud Services:**
EC2, S3, IAM, Lambda, VPC, CloudFront, API Gateway, ELB, EBS, Athena, Glue, Kinesis, Cloudwatch
- Database:**
PostgreSQL, DynamoDB, RDS
- DevOps Tools:**
Docker, Terraform, Ansible, YAML, Kubernetes, Git & GitHub, ECS
- Operating System:**
Linux, Window
RHEL, UBUNTU, CENTOS
- Soft Skills:**
Communication, Teamwork, Leadership

EDUCATION

B.Tech in Computer Science
Rajdhani Engineering College, Jaipur
Expected Graduation: 2025
CGPA - 7.89

Diploma in Computer Science
Shekhawati Group of Institutions, Sikar
Sep 2018 - Sep 2021
CGPA - 7.45

CERTIFICATION

Aws Cloud Practitioner
(Udemy) || [Certificate](#)

Aws Solution Architect Associate
(Udemy) || [Certificate](#)

COURSEWORK

Data Structure & Algorithms ||
Operating System ||
Object Oriented Programming
language ||
Computer Network ||
Machine Learning.

INTERESTS

Cricket, Badminton and Travelling

PROJECT

- 1. Responsive Serverless Web Application Deployment Using Aws Lambda, API Gateway, DynamoDB, CloudFront, and S3 || [Link](#)**
 - Serverless Architecture:** Built a serverless web app with AWS Lambda, API Gateway, and DynamoDB for scalable, maintenance-free student data management.
 - Global Performance:** Leveraged S3 and CloudFront for fast, low-latency content delivery worldwide.
 - Cost-Effective & Secure:** Reduced costs with AWS's pay-as-you-go model, ensuring security with IAM roles and encrypted DynamoDB storage.
- 2. Design and Manage infrastructure with Terraform while automating deployment workflows using GitHub Actions. || [Link](#)**
 - Automated Infrastructure Provisioning:** Streamlined AWS resource setup (VPC, EC2, SG, ALB) with Terraform for consistent and repeatable deployments.
 - High Availability and Load Balancing:** Deployed EC2 instances across availability zones with ALB for fault tolerance and high availability.
 - CI/CD Integration:** Used GitHub Actions to automate infrastructure updates and version control, ensuring seamless deployments.
- 3. End-to-End Real-Time Data Streaming Pipeline with Kinesis, AWS Glue, S3, and Athena**
 - Data Ingestion:** Used Amazon Kinesis to stream live data for immediate processing.
 - ETL and Storage:** Applied AWS Glue for ETL and stored processed data in Amazon S3.
 - Data Cataloging:** Automated cataloging with AWS Glue Crawler for easy data access.
 - Querying:** Leveraged Amazon Athena for fast, serverless querying of data in S3.
- 4. Serverless Email Marketing Application Using AWS Lambda, IAM, S3, SES, and EventBridge || [Link](#)**
 - Automated Email Campaigns:** Use AWS Lambda to process contact lists and templates from S3 for personalized email campaigns.
 - High-Volume Delivery:** Amazon SES ensures reliable and scalable sending of large volumes of emails.
 - Scheduled Emails:** EventBridge automates email scheduling for timely, event-driven delivery.
 - Secure and Scalable:** IAM policies and serverless architecture provide security, scalability, and cost-efficiency.

WORK EXPERIENCE

Phoenix Advanced Software Pvt. Ltd, Jaipur — Process Associate
Sep 2021 - May 2023

- Automated server setup and software updates on **Ubuntu** and **CentOS** using **Ansible**, reducing manual configuration by 90%.
- Developed **Ansible playbooks** for deployment, configuration, and security patching, improving system reliability and cutting setup time by 30%.
- Streamlined administrative tasks with automation, reducing errors and boosting operational efficiency.

