ADITYA RAJ SINGH

Cloud / DevOps Role

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⭐ https://ars0a.github.io/Portfolio-website/

PROFESSIONAL SUMMARY

Cloud & DevOps-focused graduate with strong fundamentals in cloud computing and modern infrastructure practices. Hands-on experience through academic projects and self-driven labs involving AWS core services, Linux systems, infrastructure automation, CI/CD pipelines, and containerized applications. Comfortable working across the full lifecycle from building and deploying to debugging and improving systems. Actively seeking an entry-level Cloud or DevOps role where I can contribute, learn, and grow in real production environments.

WORK EXPERIENCE

DevOps Engineering (Training/Internship)

GeeksforGeeks

📅 08/2025 - 11/2025　📍 Remote

- Developed and implemented automated shell scripts to streamline Linux user account, group membership, and access permission management, reducing manual administrative time by approximately 40%.
- Deployed and secured AWS EC2 environments using IAM roles, security groups, and networking to support multi-region lab setups.
- Implemented Infrastructure as Code (IAC) with CloudFormation and Terraform, reducing environment setup time by approximately 30%.
- Developed and implemented CI/CD pipelines using Jenkins and GitHub Actions, resulting in a 35% reduction in build and deployment times.
- Containerized applications using Docker and deployed workloads on Kubernetes (EKS), incorporating health checks and autoscaling.

Team Lead

STARTEK

📅 11/2021 - 08/2023　📍 Remote

- Consistently resolved 50+ customer issues daily, upholding high service quality in a fast-paced environment.
- Reduced average ticket resolution time by approximately 20% through efficient troubleshooting and prioritization.
- Resolved complex customer issues by collaborating with internal teams.

PROJECTS

Full-Stack Cloud Application (To-do app) using AWS Amplify

📅 2025

🔗 https://github.com/ars0a/amplify-vite-react-template.git

Designed, deployed, and managed a full-stack cloud application using AWS Amplify, integrating frontend, backend, authentication, and CI/CD workflows. The project demonstrates hands-on experience with cloud-managed services, serverless architecture, and production-style deployment pipelines.

- Increased operational efficiency by deploying a serverless application, reducing server costs by 25%
- Achieved secure, scalable architecture using managed AWS services
- Gained hands-on experience with cloud deployment, authentication, CI/CD, and serverless backend patterns
- Strengthened real-world cloud troubleshooting and DevOps fundamentals

EC2 Dockerized Node.js Application with RDS MySQL

📅 2025

🔗 https://github.com/ars0a/ec2-docker-node-rds-deployment.git

End-to-end deployment of a containerized Node.js application on AWS EC2, integrated with an Amazon RDS MySQL database.

- The goal of this project is to demonstrate real-world cloud deployment practices, including secure EC2 access, containerized application execution, external database integration, and verification using command-line tools.

TECHNICAL SKILLS

Cloud Platforms

AWS　EC2　S3　IAM　VPC　EBS

CloudWatch　Lambda (basic)

Route 53 (basic)　Azure　GCP (Introductory)

DevOps & Cloud Tools

GitHub Actions　Docker　Terraform (basic)

Ansible (basic)　Jenkins (basics)

Operating Systems & Networking

Windows　Linux (Ubuntu)　Amazon (Linux)

TCP/IP　DNS　HTTP/HTTPS

Security Groups　SSH

Programming & Web

Python　Bash Scripting　Java　C++

HTML　CSS　JavaScript　MySQL

SQL Server (academic use).

Tools

Git　GitHub　GitLab　VS Code　AWS CLI

CERTIFICATION

Foundation of Generative AI
Issued by Upgrad

Fundamental of Docker & Kubernetes
Issued by Scaler

TCS iON Career Edge - Young Professional
Issued by TCS-iON

The agnirva space internship program
ISRO & InSPACE

AWS DevOps with Agentic AI
Train With Shubham

Python Basic Quiz
LearnTube

PROJECTS

Portfolio – Aditya Raj Singh

📅 2025

🔗 https://github.com/ars0a/Portfolio-website.git

A clean, responsive, and dark-mode-ready developer portfolio built with HTML, Tailwind CSS (via CDN), and vanilla JavaScript.

- Increased operational efficiency by {30%} by transitioning to Cloud & DevOps from full-stack development.
- Provides a comprehensive overview, detailing my academic journey, relevant certifications, key publications, and impactful projects.

Login and Signup Form with Captcha validation

📅 2024

🔗 https://github.com/ars0a/Login-and-SignUp-Form-with-Captcha-Validation

This project features a user authentication system built with HTML, CSS, JavaScript, Bootstrap, PHP, and SQL.

- It includes responsive login and signup forms, captcha verification, and social media login (Google, Facebook, GitHub). Easy to set up and customize, it's perfect for learning about secure user authentication and database integration.

PUBLICATIONS

Permissioned Smart Contract Based e-Voting System for University

IEEE Xplore [Scopus Indexed]

DOI: 10.1109/NETCRYPT65877.2025.11102528

📅 2025   🔗 https://ieeexplore.ieee.org/document/11102528

2025 International Conference on Networks and Cryptology (NETCRYPT)

EDUCATION

Master of Computer Application

Central University of Himachal Pradesh

📅 08/2023 - 08/2025   📍 Kangra H.P, India

Bachelor of Computer Application

Lovely Professional University

📅 2021   📍 Punjab, India

LANGUAGES

Hindi
Native   ●●●●●

English
Proficient   ●●●●○