

ADITYA RAJ SINGH

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LinkedIn | GitHub | Portfolio



PROFILE SUMMARY

Cloud and DevOps engineering graduate with hands-on experience in AWS, Linux administration, infrastructure automation, CI/CD pipelines, Docker containers, and cloud deployments. Comfortable working across the application lifecycle from development to deployment, monitoring, and troubleshooting in production-style environments. Strong foundation in cloud computing, infrastructure as code, and container orchestration. Actively seeking an entry-level Cloud or DevOps role where I can contribute to real engineering teams while continuing to learn and grow.

SKILLS

- Technical Skills:** AWS (EC2, S3, IAM, VPC, EBS, CloudWatch, Lambda-basic, Route53-basic), Docker, GitHub Actions, Jenkins, Terraform-basic, Ansible-basic, Linux, Python, Shell scripting, Java, C++, HTML, CSS, JavaScript, MySQL, SQL Server-academic
- Behavioral Skills:** Leadership, Team Player, Problem Solving, Communication

EDUCATION

- | | |
|---------------------------------------------------------------------------------------------------------------------------|-------------------|
| • Master of Computer Application Central University of Himachal Pradesh
Kangra, H.P, India
– CGPA: 7.35/10 | 08/2023 – 08/2025 |
| • Bachelor of Computer Application Lovely Professional University
Punjab, India
– CGPA: 6.03/10 | 2021 |

EXPERIENCE

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|--------------------------------------------------------------------------------------------------------|-------------------|
| • DevOps Engineering (Training/Internship)
<i>GeeksforGeeks</i> | 08/2025 – 11/2025 |
| – Automated Linux user management via shell scripting reducing manual admin time by approx. 40%. | |
| – Secured AWS EC2 environments using IAM roles, SGs, and networking for multi-region labs. | |
| – Implemented IAC using CloudFormation and Terraform cutting setup time by approx. 30%. | |
| – Built CI/CD pipelines via Jenkins and GitHub Actions reducing build/deploy times by approx. 35%. | |
| – Containerized apps using Docker and deployed on Kubernetes (EKS) with health checks and autoscaling. | |
| • Executive - Operations
<i>Aegis Customer Support Services Pvt. Ltd.</i> | 11/2021 – 07/2023 |
| – Resolved 50+ customer issues daily maintaining high support quality. | |
| – Reduced ticket resolution time by approx. 20% through efficient troubleshooting. | |
| – Collaborated with multiple internal units to resolve complex cases. | |

PROJECTS

- | | |
|----------------------------------------------------------------------------------------------------------|-------------|
| • Full-Stack Cloud To-Do Application using AWS Amplify
<i>Personal / 2025</i> | GitHub Repo |
| – Designed and deployed a full-stack cloud app integrating frontend, backend, authentication, and CI/CD. | |
| – Improved operational efficiency by deploying serverless architecture, reducing server cost by 25%. | |
| – Applied cloud-managed services with real CI/CD troubleshooting and DevOps patterns. | |
| • EC2 Dockerized Node.js App with RDS MySQL
<i>Personal / 2025</i> | GitHub Repo |
| – Containerized and deployed a Node.js application on AWS EC2 with an external RDS MySQL database. | |
| – Demonstrated secure EC2 access, container execution, database integration, and CLI-based validation. | |

- **Developer Portfolio** GitHub Repo
Personal / 2025
 - Built a responsive portfolio using HTML, TailwindCSS, and JavaScript with dark mode support.
 - Showcases academic journey, certifications, and cloud/DevOps projects.
- **Login & Signup System with Captcha** GitHub Repo
Personal / 2024
 - Built an authentication system using HTML, CSS, JS, Bootstrap, PHP, and SQL.
 - Added captcha verification and social authentication (Google, Facebook, GitHub).

CERTIFICATIONS

- **DevOps Engineering** — GeeksforGeeks 2025
- **Generative AI Foundation** — UpGrad 2024
- **Fundamentals of Docker & Kubernetes** — Scaler 2024
- **Career Edge: Young Professional** — TCS iON 2023
- **The Agnirva Space Internship Program** — ISRO / InSPACE 2023

ADDITIONAL INFORMATION

- **Publication:** Permissioned Smart Contract Based e-Voting System for University, published in IEEE Xplore (Scopus Indexed), DOI: 10.1109/NETCRYPT65877.2025.11102528, presented at NETCRYPT 2025 Conference.
- **Languages:** Hindi (Native), English (Proficient)