

Akash Deep Srivastava

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Skills

Languages: Python, Bash, JavaScript

Frameworks & Automation: Flask, Docker, GitHub Actions

Cloud & Tools: AWS (EC2, S3, IAM, VPC), Linux, TCP/IP, Git, GitHub

Soft Skills: Decision Making, Fast Learning, Prioritization, Communication

Projects

Highly Available Web Application on AWS

Oct 2025

- Built multi-AZ cloud architecture using EC2, ALB, Auto Scaling.
- Configured VPC, public subnets, routing tables, security groups.
- Implemented health checks and automatic traffic redistribution.
- Created CPU-based auto scaling policies.
- Performed fault testing via instance termination.
- Achieved zero downtime failover.
- Tech: AWS EC2, ALB, ASG, VPC, IAM, S3, Linux

CI/CD Pipeline using GitHub Actions

Nov 2025

- Built automated deployment pipeline for AWS EC2.
- Configured commit-based deployment triggers.
- Implemented SSH secure deployment and auto restart.
- Reduced manual deployment effort and improved reliability.
- Tested stability across multiple commits.
- Tech: GitHub Actions, AWS EC2, Linux, Git

Training

CipherSchools – Data Structures & Algorithms

Jun–Jul 2025

- Built Sudoku solver using backtracking and recursion.
- Applied arrays, recursion, time complexity optimization.
- Strengthened algorithmic problem solving.

Certificates

- Hardware and Operating Systems – 2024
- Computer Networking – 2024
- Computational Theory – 2025
- AWS Cloud Practitioner

Achievements

- Top 15 Teams – GFG Hackathon (2024)
- Solved 250+ DSA problems
- Codeforces Pupil Rank (1200+)
- CodeChef Rank 324

Education

Lovely Professional University

Aug 2023 – Present

B.Tech CSE — CGPA: 6.49

Swarajya Sr Sec School

2022 – 2023

Intermediate – 80%

SJS Public School

2019 – 2020

Matriculation – 73%