

Ayush Gupta

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Education

Vellore Institute of Technology, Bhopal
Bachelor of Technology in Computer Science (GPA: 8.27)
Don Bosco High School, Bihar
Class XII (Senior Secondary Examination), CBSE (71%)

2021 – 2025
Bhopal, Madhya Pradesh
2020 – 2021
Siwan, Bihar

Technical Skills

Languages: C/C++, Python
Cloud: AWS (EC2, ECS, ECR, Lambda, S3, IAM, VPC, CDN, Autoscaling, Load Balancing)
Database: SQL, MongoDB
Tools: Docker, Terraform, Git, Github, Jenkins
Subjects: DBMS, OOPs

Projects

Cloudify | AWS, CI/CD, Docker, Node.js

- Automated the deployment of a scalable Node.js application on AWS using Terraform, Docker, and ECS/Fargate, applying strong analytical skills to address intricate business requirements into technology solutions.
- Implemented GitHub Actions for CI/CD pipelines, achieving a improvement in deployment speed and a reduction in downtime.
- Used Terraform to provision AWS resources. Containerized the Node.js app with Docker, stored the image in ECR, and ran it on ECS/Fargate with ALB for load balancing. Implemented a CI/CD pipeline using GitHub Actions which helps in maintaining and automating things.

Work Experience

PLYPICKER

Jan 2023 – Aug 2023

DevOps Engineer Intern

Pune, India

- Deployed data panel built with Next.js on AWS, handling the migration of 37.5k records during prod deployment and setting up secure environments for staging and local development.
- Implemented cost-optimized solutions to deploy a MERN stack website, leveraging Terraform for infrastructure provisioning and bastion hosts for secure access.
- Automated CI/CD pipelines using GitHub Actions, AWS CodePipeline, improving deployment efficiency and reducing integration errors.
- Dockerized applications for scalability, integrated SonarQube for maintaining code quality, and configured Grafana dashboards for real-time monitoring and analytics.
- Managed AWS IAM roles for secure resource access, collaborated with development teams to understand the codebase, and documented all processes while following Agile SDLC methodologies.

PearlThoughts

June 2024 – July 2024

DevOps Engineer Intern

Remote, India

- Received training on CI/CD tools such as GitHub Actions and AWS CodePipeline, gaining hands-on experience in deployment automation.
- Hosted a static website for testing purposes as part of a minor project, ensuring efficient deployment and configuration.

Certifications

- AWS Certified Cloud Practitioner - Professional – November 2023 – 970/100
- NPTTEL IIT KGP Cloud Computing – April 2024 – Score: 85% (Silver + Elite)

Extra Curricular

- Playing Chess.