

Ashutosh Shukla

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SUMMARY

Final-year Computer Science student with hands-on experience in Linux System Administration, implementing Infrastructure as Code (IaC) with Terraform, and automating configuration management with Ansible. Independently provisioned multi-node AWS EC2 environments, built a reusable Terraform module with remote state management on Amazon S3, and deployed a static site using S3 and CloudFront. Currently building a production-style, multi-phase DevOps platform on AWS (Terraform → Docker → Kubernetes → CI/CD → Observability) as a self-directed portfolio project. Seeking a DevOps/Cloud internship or entry-level role to apply this hands-on, self-driven learning to real infrastructure and deployment work.

TECHNICAL SKILLS

DevOps Tools: Terraform, Git, GitHub, Ansible, Docker (fundamentals)

Cloud: AWS (EC2, S3, IAM, CloudFront, VPC)

Scripting: Bash

Operating Systems: Linux (Ubuntu)

Networking: TCP/IP fundamentals, Subnetting, CIDR planning, Routing, Security Groups & NACLs

PROJECTS

FinCommerce: Production-Style DevOps Platform on AWS (In Progress) | AWS, Terraform, Git, GitHub | [Code](#)

- Architecting a production-style, multi-phase DevOps platform on AWS (Terraform → Docker → Kubernetes → CI/CD → Observability), structured as a modular public GitHub repository.
- Developed a reusable Terraform module for EC2 provisioning, separating variables, outputs, and data sources into a root-called module; validated behavior across provider-, schema-, and remote-API-level errors.
- Configured a versioned Amazon S3 remote backend for centralized Terraform state management, replacing local state.
- Designing the project's VPC network architecture (CIDR planning, public/private subnets, multi-AZ high availability, Security Groups vs. NACLs) for upcoming implementation in Terraform.
- Documenting architecture decisions as ADRs (e.g., NAT Gateway vs. NAT Instance trade-off) to support systems-level reasoning.

Portfolio Site Deployment: AWS S3 & CloudFront | AWS S3, CloudFront, Static Hosting | [Docs Repo](#) · [Live Site](#)

- Deployed and hosted a static portfolio site using an S3 bucket as the origin, served globally via a CloudFront distribution.
- Configured S3 bucket and CloudFront distribution settings end-to-end for public, CDN-backed delivery.

AWS Resource Health-Check Automation | Bash, Cron, AWS CLI | [Code](#)

- Automated periodic health checks across AWS resources (EC2, S3, IAM) using Bash and the AWS CLI.
- Scheduled the script via cron for unattended, recurring infrastructure monitoring.

EDUCATION

Bachelor of Technology, Computer Science Engineering, Abdul Kalam Technical University (AKTU)

4th Year (7th Semester, in progress), Expected Graduation 2027 | Aggregate CGPA (Sem 1-6): 7.02

ADDITIONAL ACTIVITIES

- Published a technical article on Terraform best practices and a video breaking down common Terraform problems, shared on LinkedIn/X.

Article: <https://www.linkedin.com/pulse/how-i-would-like-learn-terraform-ashutosh-s--9xlof>

My Blog site profile : https://dev.to/ashutosh_shukla_dev