

MOHAMMED YOUSUF

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | Hyderabad

Objective:

Recent B.E. graduate in Artificial Intelligence and Data Science with hands-on experience in cloud development, DevOps practices, and full stack web development. Skilled in deploying scalable applications using AWS and CI/CD pipelines. Seeking a Cloud/DevOps Engineer or Full Stack Developer role to leverage cloud-native tools and deliver high-availability, secure digital solutions in a collaborative team environment.

Professional Summary:

- B.E. in Artificial Intelligence and Data Science (2021–2025), with practical exposure to Cloud, DevOps, and Full Stack Development.
- Completed hands-on cloud projects using AWS EC2, S3, IAM, VPC, Load Balancers, Snapshots, AMIs and CIS v1.5 bench mark security standards.
- Hands-on project experience in building dynamic portals and responsive e-commerce websites.
- Built dynamic web applications using Angular, Node.js, MySQL, and MongoDB.
- Experienced in implementing CI/CD pipelines using GitHub Actions and Terraform.
- Strong grasp on cloud architecture, infrastructure as code (IaC), system monitoring, and high availability deployments.
- Familiar with Kubernetes, Prometheus, Grafana, and Lens for monitoring containerized environments.

Technical Skills:

Languages/Frameworks: HTML, CSS, JavaScript, TypeScript, Angular, Node.js

Databases: MySQL, MongoDB

Cloud Platforms: AWS (Lambda, IAM, CloudWatch, S3, EC2, VPC, ALB)

DevOps Tools: GitHub Actions, Terraform, Prometheus, Grafana, Lens, Docker, Kubernetes

Tools: Git, VS Code, Postman, Netlify, MongoDB Compass

Other: Responsive Design, REST APIs, MS Office

Professional Experience:

Web Development Intern

Luminate Web Solutions | Dec 2024 – Jun 2025

- Developed and maintained the company website, focusing on responsiveness and performance.
- Contributed to the integration of new features and optimized UI/UX based on team feedback.
- Participated in backend data handling and deployment processes.
- Collaborated in a real-time production environment using Git and agile methods.

Project Experience:

Cloud Security Guardrail Solution on AWS (Based on CIS v1.5)

- Compiled list of all CIS v1.5 requirements applicable to AWS accounts.
- Created triggers to monitor resource creation in real-time.
- Developed AWS Lambda functions to identify and respond to non-compliant resources.
- Assigned proper permissions to IAM Roles ensuring secure and controlled execution.
- Integrated Grafana for continuous monitoring and compliance visualization.

SDHUB Management Portal

- Designed and developed a web portal for managing students, staff, and administrative data.
- Implemented dashboards showing real-time course progress and analytics.
- Used Angular for frontend, Node.js & MySQL for backend functionality.

Mini E-Commerce Website – Shop Sphere

- Built a fully responsive e-commerce site with product listing, cart, and checkout features.
- Implemented authentication and product filters to improve user experience.
- Deployed the site using Netlify and optimized for mobile and desktop.

Cloud DevOps Course Projects

- **CI/CD Deployment Pipeline:**
Set up CI/CD using GitHub Actions to automate deployment of static and dynamic web applications on AWS EC2.
Implemented testing, build, and deploy stages using custom YAML workflows.
- **Infrastructure as Code with Terraform:**
Deployed complete infrastructure including VPC, subnets, EC2, and Load Balancers using Terraform.
Applied version control and modular architecture to manage infrastructure state effectively.
- **Kubernetes Monitoring Stack:**
Used Prometheus, Grafana, and Lens to monitor container metrics and visualize dashboards.
Deployed apps on Mini Kube/K8s cluster and implemented alert rules for CPU/Memory thresholds.
- **High Availability Architecture with ALB and EC2:**
Configured Application Load Balancer with auto-scaled EC2 instances behind it.
Created custom AMIs and automated recovery using snapshot-based restore mechanisms.

Certifications:

- Full Stack Web Development (MEAN Stack)
- Cloud DevOps
- Blockchain Technology
- AI & Data Science Workshops

Education:

B.E. in AI & DS – Methodist College of Engineering & Technology, Hyderabad (2021–2025)

Intermediate (MPC) – Narayana Junior College, Hyderabad (2019–2021)

SSC – Royal Embassy High School, Hyderabad (2019)

Additional Information:

- Participated in AI and cloud-based workshops and hackathons.
- Available for full-time opportunities and immediate joining.
- Open to relocation for the right opportunity.