

AISHWARY GATHE

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SUMMARY

Motivated Computer Science (AIML) graduate with hands-on experience in AWS cloud infrastructure, Terraform (IaC), CI/CD pipelines, Linux, monitoring, and cybersecurity practices. Skilled in building cost-optimized, secure, and observable systems using Prometheus, Grafana, and Slack alerts. Actively contributing to developer communities and eager to build reliable, scalable software systems in production environments.

EDUCATION

B.Tech, Computer Science Engineering (Artificial Intelligence and Machine Learning) Sept 2022 - June 2025

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, IN

Shri Ramdeobaba College of Engineering and Management

Relevant coursework: Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Data Analytics, Data Structures, Probability & Statistics, Optimization Techniques

PROJECTS

AWS Three-Tier Architecture with Cost-Optimized Secure Access (Click Here) Jan 2025 – Mar 2025

Designed a **cost-optimized AWS three-tier architecture** using **Terraform**, enabling secure private access without a bastion host while maintaining observability.

- Provisioned AWS infrastructure using **Terraform (IaC)** including VPC, subnets, EC2, ALB, and security groups in a reusable setup.
- Eliminated bastion host usage by implementing **IAM-based secure access**, reducing infrastructure cost and attack surface.
- Implemented **Prometheus** and **Grafana** monitoring with **Slack alerts** for real-time observability and faster incident response.

DEVELOPER COMMUNITY LEADERSHIP

Java User Group Nagpur (JUGNagpur) Mar 2025 – Present

Organized and hosted **monthly technical meetups** for a **community of 500+ developers**, increasing participation and engagement by **20%** through event feedback and post-session follow-ups.

- Collaborate with speakers and local tech professionals to host events on **Java technologies**
- Guide the event logistics and member engagement to support continuous learning and collaboration.

PROFESSIONAL EXPERIENCE

Crypto Forensic Technology, Nagpur, IN: Cyber Forensics Intern Jan 2025 – June 2025

- Analyzed digital evidence across **10+ cybercrime cases**, ensuring **100% compliance** with data preservation and chain of custody protocols.
- Conducted **system audits** and prepared detailed **compliance reports**, improving patch tracking and documentation accuracy by **30%**.

OTHER WORK EXPERIENCE

Cosmos Consulting, Nagpur, IN: Community Manager (14 hours/week) Sept 2024 – Dec 2024

- Organized and supported **3+ community events and online sessions**, improving participation and collaboration across technical clubs.
- Built relationships with student communities to improve event outreach and participation.

TECHNICAL SKILLS

Cloud & DevOps: Amazon Web Services (AWS), Terraform (IaC), Docker, Jenkins, Git, Linux, CI/CD Pipelines

Monitoring & Incident Management: Prometheus, Grafana, Alerting, Observability, Slack Notifications

Programming & Scripting: Python, C, C++, Bash, PHP

Cybersecurity: Security Auditing, Vulnerability Assessment, Identity and Access Management (IAM), Patch Management, Incident Handling

Soft Skills: Community Leadership, Event Coordination, Team Collaboration, Communication