Amit Bikram Tripathy

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https://www.linkedin.com/in/amit-tripathy/   **GitHub:** https://github.com/Amittripathy901
Portfolio: https://www.amittripathy.live/
Location: Kendrapara ,Odisha

Career Objective

Motivated and detail-oriented Fresher DevOps Engineer with a strong foundation in cloud platforms, infrastructure automation, and CI/CD pipelines. Proficient in tools like AWS, Git, GitHub, Ansible, and Terraform, with hands-on experience in Linux and Shell scripting. Eager to contribute to innovative projects, enhance operational efficiency, and learn advanced technologies in a dynamic team environment.

Technical Skills

- **Programming Languages**: C , C++ , Java , Python

- **Cloud Platforms:** AWS (EC2, S3, IAM, VPC, CloudFormation)

- **Version Control:** Git, GitHub

- **Infrastructure as Code (IaC):** Terraform, Ansible

- **Scripting:** Shell scripting (Bash)

- **Operating Systems:** Linux (Ubuntu, CentOS)

- **CI/CD Tools:** Basic knowledge of Jenkins

- **Other:** MS Word, MS Excel

Education

Bachelor of Technology in Computer Science and Engineering
Gandhi Engineering College, Khordha,Odisha
Graduation Year: 2025 |

Relevant Coursework: Cloud Computing, Operating Systems, Networking, Software Development

Projects

1. Automated Infrastructure Deployment Using Terraform

- Designed and deployed infrastructure on AWS using Terraform, ensuring consistent and repeatable setups.

- Implemented EC2 instances, S3 buckets, and VPCs with infrastructure as code principles.

- Improved deployment speed by 50% and reduced manual errors.

2. Server Configuration Management with Ansible

- Automated server configurations and software installations across Linux environments.

- Created Ansible playbooks to standardize deployments and streamline updates.

- Enhanced operational efficiency by eliminating repetitive tasks.

3. Version Control Integration with Git and GitHub

- Managed code repositories and collaborated on projects using Git and GitHub.

- Implemented branching and merging strategies to maintain code quality.

- Documented repository usage guidelines to onboard team members effectively.

4. Scalable Web Application Deployment on AWS

- Designed and Implemented highly available and scalable infrastructure for a web application on AWS
- **Scalability**: using Auto Scaling Groups to adjust resourced automatically in response to traffic changes
- **High Availability:** achieve minimal downtime by utilizing multiple availability zones.
- **Resilience:** Developed an application setup that can withstand failures and traffic spikes without manual intervention.

Licenses & certifications

Python Programming Essential Bootcamp

LetsUpgrade

Hobbies & Interests

- Exploring new DevOps tools and technologies.

- Open-source contributions and technical blogging.