# Ranjan Kumar Upadhyay

Aspiring DevOps & Cloud Engineer — MCA (Cyber Security)

Noida, Uttar Pradesh, India

Portfolio — GitHub — LinkedIn

## Professional Summary

Aspiring DevOps and Cloud Engineer pursuing MCA with specialization in Cyber Security. Hands-on experience with CI/CD automation, containerization, cloud monitoring, and event-driven AWS services. Strong interest in building secure, scalable, and observable systems using modern DevOps and serverless practices.

## Technical Skills

- **Programming & Scripting:** Python, Bash, Git Bash, Shell Scripting, YAML
- **DevOps & Automation:** Jenkins, Ansible, CI/CD Pipelines
- **Containers & Orchestration:** Docker, Kubernetes (Foundational)
- **Cloud Platforms:** AWS (EC2, S3, IAM, SES, SQS, SNS, Lambda)
- **Monitoring & Logging:** CloudWatch, Prometheus, Grafana, ELK Stack
- **Infrastructure as Code:** Terraform (Foundational)
- **Version Control & OS:** Git, GitHub, Linux (Ubuntu)
- **Collaboration:** Jira (task tracking), Agile workflows

## Education

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|---|---|
| **Master of Computer Applications (MCA) — Cyber Security** | Currently Pursuing |
| **Bachelor of Computer Applications (BCA)** | Completed |

## Projects

### Event-Driven Notification System (AWS)

- Designed an event-driven workflow using AWS SNS, SQS, and Lambda.
- Used SNS for message publishing and SQS for reliable asynchronous processing.
- Implemented Lambda functions to process events and send emails via AWS SES.
- Applied serverless architecture concepts and asynchronous messaging patterns.

### Secure CI/CD Pipeline with DevSecOps

- Built Jenkins-based CI/CD pipelines using Docker and Kubernetes.
- Integrated security checks and automated deployment workflows.

## Experience

### DevOps Engineer Intern — Orbiqe Technologies, Noida

- Automated CI/CD pipelines using Jenkins and Ansible, reducing manual deployment effort.
- Deployed and monitored containerized applications using Docker and Kubernetes.
- Used CloudWatch, Prometheus, and Grafana for system monitoring.

### Systems Operations Support — Health Haven Hospital

- Supported system-based billing operations and IT workflow management.

## Additional

- Publish technical blogs on LinkedIn related to DevOps and cloud security.
- Continuous learner with hands-on labs and real-world simulations.