Aman Dinkar

Linkedin: http://www.linkedin.com/in/amandinkar37   Email: amanscience67@gmail.com

Github: github.com/thebela   Mobile:+91-9555657775

SKILLS

- **Languages**:   C++, Python
- **Cloud**:   AWS, Apache Cloud stack, Azure
- **Tools/Platforms**:   Terraform, Docker, Kubernetes, Prometheus, Grafana, Springboot
- **Automation**:   GitHub Actions, Jenkins
- **Database**   MySQL, SQL
- **Version Control**   GitHub, GitLab
- **Soft Skills**:   Problem-Solving, Team Player, Attention to Detail, Adaptability

PROJECTS

- **AWS Auto Scaling Infrastructure**:   March 2025
  Designed and deployed a fault-tolerant infrastructure on AWS using **Auto Scaling Groups + ALB**, achieving **99% uptime**.
  Automated provisioning with **Terraform modules**, reducing setup time by **80%**.
  Configured **CloudWatch alarms & scaling policies**, improving reliability under variable traffic load.
  Implemented IAM roles & security best practices for controlled access.
  Tech: AWS (EC2, Cloudwatch, S3,ALB), Terraform, Docker, GitHub Actions, Bash

- **CI/CD Pipeline Using Jenkins & Docker**:   December 2024
  Built an automated CI/CD pipeline integrating **GitHub → Jenkins → Docker → AWS EC2**, cutting deployment time by **90%**.
  Containerized application using Docker to ensure consistent builds across environments.
  Configured **Nginx** as a reverse proxy to improve delivery speed and request handling.
  Implemented build triggers & automated test execution to improve release quality.
  Tech: Jenkins, Docker, GitHub, EC2, Nginx

- **Monitoring & Alerting System with Nagios & CloudWatch:**   October 2024
  Implemented server monitoring using **Nagios Core**, tracking CPU, memory, disk, and service uptime.
  Set up **custom alert thresholds** for proactive detection of performance degradation.
  Integrated **AWS CloudWatch metrics** for EC2 instances, reducing issue-diagnosis time by **40%**.
  Automated periodic health checks using shell scripts for continuous visibility.
  Tools: Nagios, CloudWatch, Linux, Shell

CERTIFICATIONS/CERTIFICATES

- Microsoft Certified : Azure Administrator Associate   November 2024
- AWS Technical Essentials by Amazon Web Services   December 2024
- Responsible and Safe AI by NPTEL   November 2024

ACHIEVEMENTS

- **Secured Elite badge in Responsible and safe AI exam conducted by NPTEL**:   November 2024
  Among 5k participants was in the top 10%

- **One among Dean's top 20 % students at university**:
  For good academic performance and extracurricular activities at university.

EDUCATION

- **Lovely Professional University**   Punjab, India
  *Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.78***   *Since August 2022*

- **K.V. Danapur Cantt**   Danapur, Bihar
  *Intermediate; **Percentage: 84%***   *April 2020 - March 2021*

- **K.V. Danapur Cantt**   Danapur, Bihar
  *Matriculation; **Percentage: 88%***   *April 2018 - March 2019*