Aritra Bhadra

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PROFESSIONAL EXPERIENCE

DevOps Intern   01/2024 – 06/2024 | Chennai, India
A3 Transforms India Pvt. Ltd.

- Developed a secure cloud workflow architecture and co-created a robust **security framework package** to be used across Python applications.
- Set up comprehensive monitoring and custom dashboards with **Prometheus, Grafana and Loki**, improving system visibility and proactive issue resolution by **25%**.
- Engaged in **real-time troubleshooting** and performance tuning, maintaining optimal application performance and reliability.
- Enhanced the **secure development lifecycle**, contributing to a 20% increase in security incident prevention.

DevOps Intern   10/2023 – 01/2024
Evanke   Virginia, US (Remote)

- Aided in development of **secure ML framework** for model training and deployment using **Python and AWS Lambda**.
- Automated infrastructure with **Terraform and Ansible**, cutting deployment times by 30%.
- Created **MLOps CI/CD pipelines** with integrated **MLflow tracking**, boosting deployment frequency by 20%.
- Monitored and optimized system performance, resolving production issues swiftly.
- Enhanced **system reliability** through proactive performance improvements.

Cloud and DevOps Intern   09/2023 – 10/2023
Tavant Technologies   Bengaluru, India (On-site)

- Gained hands-on experience in enhancing **VPC interconnectivity on AWS** and managing key services such as **Auto Scaling Groups (ASGs), Load Balancers, ECS, and EKS** to improve cloud infrastructure performance.
- Developed skills in **optimizing IAM security policies** and improving cloud storage efficiency by **implementing lifecycle policies for S3 buckets.**
- Learned to **streamline CI/CD workflows using GitHub Actions**, focusing on reducing deployment time, and **automated infrastructure provisioning with Terraform** to enhance consistency and reliability in deployments.

SKILLS

Programming/Scripting:
Bash, Python, Java, C, C++

DevOps Tools:
Git, Docker, Kubernetes, Ansible, Terraform, Jenkins, Prometheus, Grafana, Loki

OS:
Linux System Administration (Red Hat, Debian based), Windows

Cloud:
Azure, AWS

EDUCATION

B.Tech Electronics and Communication Engineering   2021 – 2025 | Chennai, India
Vellore Institute of Technology, Chennai
8.02 CGPA

PROJECTS

Webapp deployment with complete CI/CD 🔗
Deploying a Webapp on Kubernetes cluster with **complete CI/CD config** using Jenkins,Ansible.
Tools & technologies used: AWS, Docker, Jenkins, Ansible, Kubernetes, Git

CERTIFICATES

- Google Cloud Digital Leader

ORGANIZATIONS

Google Developer Student Club   09/2022 – 05/2024
Member of Open Source Department
Actively contributed to projects and organized impactful events collaboratively with developer communities such as FOSS and GDG.