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| Karan KASHYAP  9818480037 || [kashkaran18@gmail.com](mailto:kashkaran18@gmail.com) |  |
| Passionate and results-driven aspiring DevOps Engineer with a strong foundation in cloud infrastructure, CI/CD pipelines, automation, and containerization technologies. Seeking an entry-level opportunity to contribute to a dynamic team while enhancing expertise in AWS, Linux, Python, and DevOps tools.  Skills   |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | Linux Administration | Proficient in installation, configuration, and bash scripting. | | Cloud Computing | Experience with AWS, Azure | | Networking | Strong knowledge of TCP/IP, IP addressing, and DNS | | Version Control | Skilled in Git for collaboration and code management. | | DevOps Tools | Proficient in Docker, Kubernetes, Ansible, Terraform, Jenkins. | | Programming | Proficient in Python |   DEVOPS & CLOUD ENGINEERING: DUCAT (2023 TO PRESENT) |  * Pursued advanced training in DevOps and Cloud Engineering at Ducat (2023–Present). * Gained hands-on experience in CI/CD pipelines, containerization, and cloud platforms like AWS. * Developed expertise in automating deployment processes and managing cloud infrastructure. * Focused on bridging the gap between software development and operations to enhance system reliability. * Completed comprehensive coursework on Azure Cloud Computing, focusing on virtual machines, storage solutions, and networking fundamentals. * Proficient in Linux system administration, including shell scripting, file system management, user permissions, and troubleshooting.  Experience | |
| Quality Engineer Mediplus (India) limited, Delhi (June 2023 - Feb 2024)  * Automated manufacturing data analysis using Python for improved precision and reduced downtime. * Designed Power BI dashboards to monitor assembly performance and inventory trends. * Built Python-based pipelines for data quality validation and anomaly detection. * Streamlined inventory management with real-time data integration and reorder alerts. * Ensured compliance with ISO, CE, and FDA standards through data-driven quality initiatives.  Education | |

## ADGITM (B.Tech) (2018-2022)

## Class XII, Kendriya Vidyalaya, New Delhi (2018)

## Class X, Kendriya Vidyalaya, New Delhi (2016)

PROJECTS

* **CI/CD Pipeline for Microservices Application**

**Objective:** Built a fully automated CI/CD pipeline for deploying a microservices-based application to Kubernetes**.  
 Technologies:** Git, Docker, Kubernetes, Jenkins, YAML, Bash

**Key Contributions:**

* Automated CI/CD pipeline using Jenkins for seamless build, test, and deployment of microservices.
* Containerized applications with Docker and orchestrated scalable deployments using Kubernetes manifests**.**
* **Cheriskope CodePipeline Implementation**

**Objective:** Designed and deployed an automated CI/CD pipeline using AWS services to streamline deployment workflows for a GitHub-hosted application.

**Technologies Used:** AWS(S3,IAM), AWS codePipeline, AWS Codebuild, Github

**Key Contributions:**

* Set up Amazon S3 with static website hosting and automated CI/CD pipeline using GitHub, CodeBuild, and S3.
* Configured IAM roles and developed buildspec.yml for streamlined builds and successful deployments.
* **Blue-Green Deployment Pipeline**

**Objective:** Implemented a blue-green deployment strategy to ensure seamless application updates with minimal downtime and quick rollback capabilities**.**

**Technologies Used:** Jenkins, Docker, Kubernetes, Nginx

**Key Contributions:**

* Built and deployed blue-green Kubernetes environments with Docker and Nginx Ingress for seamless traffic switching and zero-downtime updates.
* Automated deployments and rollbacks using Kubernetes manifests, ensuring reliable application delivery and quick recovery during failures.