

# Harshika Singhal

New Delhi | [harshikasinghal11@gmail.com](mailto:harshikasinghal11@gmail.com) | (+91) 9105004002 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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## Education

Gautam Buddha University

June 2024

*Master of Computer Application (Data science), 82%*

Varshney College, University of Agra

June 2022

*Bachelor of Science, 69%*

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## Professional Experience

Vaco Binary Semantics LLP, Analyst, Gurgaon

July' 2024 - Dec' 2024

- Analyzed and validated promotional data to ensure accuracy, compliance, and alignment with Google's guidelines for merchant partners.
  - Conducted quality checks on promotional campaigns to ensure adherence to compliance standards and policies, reducing error.
  - Supported merchant inquiries, ensuring prompt resolution of issues and maintaining high satisfaction levels.
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## Skills

- Cloud Technologies: AWS
  - Container Technologies: Docker, Kubernetes
  - Version Control System: Git
  - Configuration Management: Ansible
  - Infrastructure as Code: Terraform
  - CI/CD: Jenkins
  - Language: Python, Shell Scripting
  - OS: Linux, Windows
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## Projects

Stan's Robot Shop -Three-Tier Architecture Deployment on AWS EKS

- Deployed a three-tier, microservices-based sample application (*Stan's Robot Shop*) on **AWS Elastic Kubernetes Service (EKS)** to demonstrate scalable and production-ready cloud architecture.
- Containerized each microservice using **Docker** and managed orchestration using **Kubernetes YAML manifests and Helm charts**.
- Utilized **AWS services** including VPC, IAM, ECR, ALB (Application Load Balancer), CloudWatch, and Route 53 for a secure and scalable deployment environment.
- Gained hands-on experience in container orchestration, microservices deployment, and cloud-native architecture on AWS.

Kind Voting App

- Automated Deployment of Scalable Applications on **AWS EC2** with **Kubernetes**.
  - Utilized the **Kubernetes dashboard** to monitor application health, manage workloads, and observe real-time scaling behavior.
  - Gained experience in **infrastructure automation, declarative deployment, and scalable architecture** on AWS.
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## Certifications

- AWS Meet Up Participant Certificate
- AWS Cloud Practitioner Certificate
- Networking Fundamentals Certificate