

## Nishant Saini

DevOps Intern @Edufyi Tech Solutions  
Roorkee, Uttarakhand, India

### Contact:

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- **Portfolio:** [saininishant09.github.io/Nishant-Saini---DevOps-Engineer/](https://saininishant09.github.io/Nishant-Saini---DevOps-Engineer/)

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## Summary

Hello! I'm Nishant Saini, a passionate DevOps Engineer based in Roorkee, India. With a solid foundation in cloud technologies, I've implemented end-to-end CI/CD pipelines and architected scalable, highly available infrastructures on AWS. My expertise spans tools and technologies like Jenkins, Terraform, Docker, and Kubernetes. Whether optimizing cloud costs or deploying robust applications, I'm committed to leveraging my skills to drive efficiency and innovation.

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## Experience

### Edufyi Tech Solutions

*DevOps Intern*

*November 2024 – Present* | Bengaluru, Karnataka, India

- Designed and implemented CI/CD pipelines to automate software deployment.
- Deployed and managed containerized applications using Docker and Kubernetes.
- Optimized infrastructure for scalability and performance on AWS.
- Developed Infrastructure-as-Code (IaC) using Terraform to manage cloud resources.
- Monitored systems and applications using tools like Prometheus and Grafana.

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## Education

### CHANDIGARH UNIVERSITY

Master of Computer Applications (MCA), Computer Science  
*August 2021 – 2023*

### Quantum University

Bachelor's Degree, BCA  
*2018 – 2021*

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## Skills

- **DevOps Tools:** Jenkins, Docker, Kubernetes, Terraform
- **Cloud Platforms:** AWS (EC2, S3, Lambda)
- **Programming Languages:** Java, Python, Shell Scripting
- **Databases:** MySQL, DynamoDB
- **Web Technologies:** HTML, JavaScript
- **Monitoring Tools:** Prometheus, Grafana

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## Certifications

- **Tech Invent 2021**
- **30 Days of Google Cloud**
- **Networking Essentials**
- **AWS APAC Solutions Architecture Virtual Experience Program (December 2024)**
  - Designed a simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
  - Described the proposed architecture in plain language, ensuring the client understood how it works and how costs will be calculated.

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## Projects

### End-to-End CI/CD Pipeline Implementation

- Automated the deployment process for a web application using Jenkins, Docker, and Kubernetes.
- Achieved a significant reduction in deployment time and minimized manual intervention.

### Static Website Hosting with S3 and CloudFront

- Hosted static website files on Amazon S3 and configured static website hosting.
  - Integrated CloudFront for global content delivery and ensured faster load times using AWS edge locations.
  - Applied basic security settings by restricting direct access to the S3 bucket, allowing access only through CloudFront.
  - Built a simple website with at least two pages (e.g., `index.html` and `about.html`).
  - Provided a brief summary and screenshots of all steps, including resource configuration and testing.
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## Top Skills

- Jenkins | Software Development | Linux

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## Achievements

- Successfully deployed and monitored multiple applications in production environments.
- Contributed to reducing operational costs through optimized resource allocation and automation.