

Diksha Sinha

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SKILLS

- Languages:** Python, C++, JavaScript, Java, Bash, HTML, CSS
- Technologies:** Angular, React.js, Node.js
- Tools:** MySQL, MongoDB, Git & Git-hub, Jenkins, Docker, Kubernetes, Maven, Terraform, Grafana
- Soft Skills:** Problem-Solving, Teamwork, Time management, Adaptability
- Platforms:** LeetCode, GeeksforGeeks, Code-studio, Hacker Rank, AWS, Microsoft Azure

TRAININGS

- Cipher Schools**
Jun' 24 – Jul' 24
- Completed an intensive course on C++ programming, covering fundamentals to advanced concepts.
 - Gained hands-on experience with Object-Oriented Programming(OOP), STL and structures.
 - Worked on problem-solving and algorithmic thinking to enhance coding efficiency.
 - Developed small projects and algorithmic thinking to enhance coding efficiency.
 - Strengthened debugging and optimization skills through practical exercises.

PROJECTS

- Infrastructure Automation Using Terraform on AWS**
May' 24 – Aug' 24

Automated AWS infrastructure provisioning using modular Terraform code, deploying resources like VPC, EC2, RDS, S3, and IAM roles.

Managed remote state with S3 and DynamoDB, enabling team collaboration and secure infrastructure tracking.

Ensured high availability using Auto Scaling Groups and Load Balancer, followed IaC best practices with GitHub integration and optional Terraform Cloud.

Tech: AWS, Terraform, GitHub
- Build CI/CD Pipeline**
Mar' 24 – May' 24

Designed and deployed scalable CI/CD pipelines using Jenkins and Docker to improve deployment efficiency by 40% .

Automated infrastructure provisioning using Terraform, reducing setup time by 60%.

Implemented monitoring and alerting solutions using Prometheus and Grafana, ensuring 99.9% application uptime.

Tech: Jenkins, Docker, Terraform, Grafana
- Two-Tier Application Deployment**
Nov' 23 – Dec' 23

Developed and deployed a two-tier web application on AWS with separate tiers for the front-end and database.

Docker containers for isolated application environments and Kubernetes for container orchestration.

Configured auto-scaling groups to handle varying traffic loads.

Implemented NGINX as a reverse proxy and load balancer to efficiently route traffic and improve application performance.

Tech: Docker, Kubernetes, NGINX, AWS.

CERTIFICATES

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|---|---------|
| • Microsoft Certified Microsoft | Jan' 25 |
| • Fundamentals of C++ Cipher School | Jun' 24 |
| • Fundamentals of Network Communication Coursera | Nov' 23 |
| • Introduction to Hardware and Operation Systems Coursera | Oct' 23 |
| • Xebia Certified Xebia | Feb' 23 |

ACHIEVEMENTS

- Solved 100+ problems on various online platforms** (LeetCode, Codestudio and Hacker Rank)
- EDUCATION**
- Lovely Professional University**
Punjab, India

Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.63**
Aug' 22 - Present
- ABR School**
Bihar, India

Intermediate; **Percentage: 69%**
Apr' 20 – Mar' 21
- D.A.V Public School**
Bihar, India

Matriculation; **Percentage: 74.6%**
Apr' 18–Mar' 19