Steve Yadav

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SUMMARY

Cloud and DevOps Engineer with hands-on experience in AWS and Azure, specializing in scalable application deployments. Proficient in CI/CD pipelines, Docker, Kubernetes, and infrastructure automation. AWS Certified Solutions Architect with a strong foundation in cybersecurity and system reliability.

SKILLS

Technical: AWS, Azure, Docker, Terraform, Kubernetes, MySQL, Python, Android, Git/GitHub, Linux
Language: Proficiency in English, Hindi

EDUCATION

University of Petroleum and Energy Studies, B.Tech in Computer Science   2021 – 2025
- **Coursework:** Core Computing, Cloud Computing, Cyber Security

National Institute of Technology, Kurukshetra, M.Tech in Computer Engineering   2025 – Present
- **Coursework:** Core Computing, Cyber Security

INTERNSHIP

IBM, Project Intern   June 2024 – Jul 2024
- Built a web application to implement a disaster recovery solution, ensuring data availability and resilience.
- 100% deployment on AWS and using services like S3, EC2, CloudWatch and RDS.
- 0% human intervention for disaster recovery.

DRDO   June 2024 – Jul 2024
- Dived into Quantum Computing.
- Explored IBM Quantum Simulator and Qiskit to make quantum circuits and implement Quantum algorithms.
- Learnt about various quantum algorithms like Shor's algorithm and Grover search algorithm.

Hara Jeevan   June 2022 – Jul 2022
- 100% management of their website: http://harajeevan.org/
- Manually migrated the whole website without the help of any plugins.
- Involved WordPress, MySQL, HTML, CSS etc.

PROJECTS

TrackNClassify   github
- Developed a multilayered authentication system, reducing unauthorized access attempts by 80%, integrating QR code scanning, and RFID for secure access management.
- Responsible for deploying on the cloud, ensuring 99% uptime and integrating with IoT components for seamless access management across multiple locations.
- Tools Used: MERN stack (MongoDB, Express.js, React, and Node.js).

FitZee   github
- An android application for Body Mass Index (BMI) calculation, and to estimate the calorie count of their meals through image recognition.
- Responsible for 100% user interface creation using Java and XML.
- Tools Used: Android Studio, Java, XML, Firebase.

Cloud Projects
- DevOps-QR-code: A sample project to get hands-on with DevOps practices like CI/CD, containerization etc.
- Cloud Resume Challenge: The main goal is to get hands-on with some cloud technologies like Lambda, IAM etc.

- Made a Serverless Web Application with AWS Lambda, API Gateway, Amplify, DynamoDB, and Amazon Cognito.
- Experimented with turning a Raspberry Pi into a NAS using OpenMediaVault, enabling private cloud storage with scalable file sharing and backup capabilities.

CERTIFICATES

- AWS Certified Solutions Architect - Associate in the year 2024
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional in the year 2025