Sujal Dua

+91 7355170823   sujaldua28@gmail.com   Portfolio Linkedin Github Dev.io

EDUCATION

St.Thomas School, Gopiganj, Bhadohi, U.P   ISC (CLASS XII)
April, 2020 - May, 2021   *CGPA: 7.5*

Chandigarh University, Mohali, Punjab   B.E - Computer Science and Engineering
June, 2021 - June, 2025   *CGPA: 8.45*

TECHNICAL SKILLS

Programming Languages: Python, SQL, Bash
Libraries and Tools: Git and GitHub, Postman, Jenkins, Kubernetes, Docker, Terraform, AWS, AZURE, GCP
Networking: Network Administration, Troubleshooting
Operating Systems: Windows, Linux

EXPERIENCE

Metacrafters

Summer Intern   *June, 2023 - Aug, 2023*

* Developed smart contracts and decentralized applications using Solidity, web3.js, and Truffle.
* Immersed in blockchain technology through courses at Metacrafters, specializing in JavaScript Proof and ETH Proof.
* Gained real-world project experience during internship at Metacrafters, fueling passion for blockchain industry.

PROJECT

Heartify

Cardiac Disease Detection with ML   *Dec, 2022 - July, 2023*

- Created a cardiac anomaly detection system utilizing ML, processing ECG and heart sounds.
- Conducted data preprocessing, feature extraction, and ML algorithms for arrhythmia and murmur identification.
- Designed and developed a secure, intuitive user interface for healthcare professionals, resulting in a 40 per cent reduction in training time and improved overall user satisfaction.

JeffaMate

AWS End-to-End Architecture for Scalable Applications   *Sep 2024 - Oct, 2024*

- Designed a scalable cloud infrastructure using AWS services (EC2, S3, RDS, Lambda), automated deployments with Terraform, and implemented cost-efficient solutions across multi-environment setups.
- Integrated AWS CloudWatch and X-Ray for comprehensive real-time monitoring and tracing, enhancing system reliability and debugging efficiency by 40 %.
- Ensured robust security through IAM policies, VPC configurations, and encryption protocols, while enabling disaster recovery with auto-scaling and cross-region replication for high availability.

NexusOps

Cloud-Native Netflix Clone   *June 2024 - Dec, 2024*

- Leveraged AWS: EC2 for dynamic scaling, S3 for 500+ movie library and user data, and DynamoDB for low latency watchlists and streams.
- Automated infrastructure and deployment with Jenkins CI/CD (50 per cent deployment time reduction).
- Ensured security best practices by configuring granular access controls (IAM roles) and encrypting all data at rest and in transit (using KMS), exceeding industry security standards.

CERTIFICATIONS

* AWS Academy Cloud Architecting [73677] – (AWS)
* Microsoft Certified - Azure AI Fundamentals -(MICROSOFT)
* OCI 2024 Generative AI Certified Professional - (ORACLE)
* GitHub Foundations Professional - (GITHUB)
* Oracle Cloud Infrastructure 2023 Certified Foundations Associate - (ORACLE)
* Salesforce Certified AI Associate - (SALESFORCE)