Shybal Ghosh

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Professional Summary

Recent post-graduate with a strong technical background, now a certified AWS Solutions Architect Associate, seeking a DevOps Engineer role. Has good proficiency in AWS services and cloud tools such as Docker, Kubernetes, Jenkins, Terraform. Has experience working with Python and related frameworks, with a focus on Machine Learning through extensive academic project.

Education

Asutosh College, University of Calcutta | M. Sc in Computer Science | CGPA: 8.133   **2021 – 2023**
Secured Rank 4th in the department and under top 20 in the University

Vivekananda College, University of Calcutta | B. Sc in Computer Science | CGPA: 7.84   **2018 – 2021**
Secured Rank 6th in the department

Experience

Cloud Solution Consultant   **Present – Feb '24**
Xtracolabs
- Consulted them on cloud infrastructure and strategy to accelerate their business idea and drive innovation
- Implemented the website that impacted the organization to go public. Used S3 bucket for hosting and Cloudfront distribution to make the website public.

Freelancer   **Apr '23 – Oct '23**
Rangeen Khidki Foundation
- Collaborated the organization to gather data, construct project key points and led the development of a chatbot project
- Developed the initial prototype of the chatbot with the intent of spreading awareness regarding SRHR
- Implemented and tested among 10-15 users that got an accuracy of almost up to 60% through the platform **Telegram**

Projects

Cloud Resume Challenge | (Website URL)
- Designed and deployed a personal resume website using HTML, CSS, JavaScript, hosted on AWS S3 with custom domain configuration
- Created a serverless backend using AWS Lambda to support dynamic features, including a visitor counter stored in DynamoDB
- Established an Infrastructure as Code (IaC) setup with Terraform and implemented a CI/CD pipeline using GitHub Actions to automate the deployment and update of the website

Simple Login and Sign-up Application
- Developed a login and sign-up application using Node.js and MongoDB for secure user authentication and data management.
- Containerized the application using Docker for consistent and scalable deployment across various environments.
- Deployed the containerized app on a local Kubernetes cluster via Minikube, simulating a cloud-native production environment.
- Configured and Managed Kubernetes resources, including pods, deployments, and services, to ensure scalability and high availability.

Skills

Cloud Infrastructure: AWS, EC2, Auto Scaling, ELB, S3, Lambda, ECS, EKS, ECR
Language: Python, Java, C
Database: MongoDB, MySQL, PostgreSQL
Tools: Git, GitHub, GitHub Actions, Jenkins, Argo CD, Docker, Docker Compose, Kubernetes, Terraform

Certifications

- Certified AWS Solutions Architect – Associate   **Aug 2024 – Aug 2027**
- AWS Cloud Essentials   **June 2024**
- DevOps Beginners to Advanced with Projects   **Feb 2024**