

Shybal Ghosh

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Professional Summary

Recent post-graduate fresher with a strong technical background, now a certified AWS Solutions Architect Associate, seeking a Cloud 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

Developer

Present – Feb '24

Xtracolabs

- Working as a developer in an early startup
- Implemented a static website for 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 with the members of 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
- Conducted in-depth testing among 10-15 users and 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

Terraform Project – Automating VPC and Instance Creation

- This short project involved creation of a VPC in AWS Cloud and launching an instance also, implementing other necessary requirements.
- Provisioned the EC2 instance to install web packages and deployed static website files to the web server's root directory
- Implemented a CI/CD pipeline using GitHub Actions to automate the deployment and update of the website

Multiple Disease Detection System

- Implemented a Machine Learning model to predict the chances of the disease with an accuracy of 90%, as a part of final year project in M. Sc
- Implemented Flask based web app with the intent of easy access of the system
- Scope of the diseases were focused on breast cancer, thyroid detection and fetal health detection

Certifications

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