

# Shybal Ghosh

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## Professional Summary

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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

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**Asutosh College, University of Calcutta | M. Sc in Computer Science | CGPA: 8.133** **2021 – 2023**  
Secured Rank 4<sup>th</sup> 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 6<sup>th</sup> in the department

## Experience

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### 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

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### 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

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