Shybal Ghosh

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Professional Summary

Recent post-graduate fresher with a strong technical background seeking a Cloud Engineer role. Proficient in AWS services including serverless services such as Lambda, DynamoDB, S3. Also proficient in cloud tools like Docker and Terraform. Experienced in Python and related frameworks by doing extensive academic projects in Machine Learning. Currently pursuing for AWS Solutions Architect Associate Certification exam.

Experience

Backend Developer   **Present – Feb '24**
Early Startup
- Working as a backend developer in an early startup

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%.
- The chatbot was built on Python and Rasa Framework, and initially the bot was deployed on **Telegram**

Projects

Cloud Resume Challenge
- 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.
- Established all necessary requirements like internet gateway, route table, subnets and keypair to complete the automation task of the project
- 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

Education

Asutosh College, University of Calcutta   **2021 - 2023**
M.Sc in Computer Science
SGPA: 8.133

Vivekananda College, University of Calcutta   **2018 - 2021**
B.Sc in Computer Science
SGPA: 7.84

Certifications

- AWS Cloud Essentials   **June 2024**
- DevOps Beginners to Advanced with Projects   **Feb 2024**
- One-day training program on foundation of DevOps with special focus on Containerization   **Nov 2022**