HARIKA TANNERU

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Motivated and adaptable engineer eager to join a collaborative cloud architecture and technology team. Passionate about leveraging cutting-edge cloud-native platforms and modern development processes to create innovative software and data systems. Skilled in designing and implementing cloud-native solutions that facilitate seamless connectivity between edge and cloud environments, enabling efficient data access, storage, and analysis at scale.

EDUCATION

Master's in computer technology -   2024
Eastern Illinois University | Charleston, IL, USA
Bachelor's in computer science and engineering - 2018
CMR Technical Campus | Kandlakoya, TS, India

SKILLS

- Languages: Python, SQL.
- Web Technology: HTML, CSS.
- Database: MySQL
- Networking Protocol: TCP/IP, DNS
- OS: Windows, Linux

- Cloud Technologies and Tools: AWS Lambda, AWS CDK, AWS CloudFormation, S3, AWS CloudWatch, CI/CD, Kubernetes, Docker, load balancers, RDS, CloudFormation templates.
- Version control systems: Git
- Additional Skills: Communication skills, Decision making, Problem solving.

PROFESSIONAL SUMMARY

Quality Analyst - Amazon, Hyderabad, India (Oct 2018 -Aug 2022)

- As a Quality Analyst, managed the AIC program (Auditing, Insights, and Compliance) and Root Cause Analysis.
- Developed workflows utilizing SharePoint Designer. Collaborated with 4+ teams to identify, conceptualize and present policy changes and new ideas for process improvement.
- Conducted calibration sessions with operations and training teams. Provided knowledge sessions to associates and trained newly hires.
- Evaluated work done by associates to ensure compliance with established quality standards

Amazon Web Services, Self-Learning

- Engaged in independent learning initiatives to acquire strong knowledge of cloud-native platforms, API design, and data analytics at scale, including proficiency in CI/CD tools, cloud platforms, and automation scripting.
- Implemented self-designed projects to demonstrate practical application of learned concepts and gained experience with cloud platforms AWS.
- Proactively stayed updated on industry trends and emerging technologies, showcasing a commitment to continuous improvement.

CERTIFICATIONS

- AWS Cloud Practitioner
- AWS Cloud Quest: Cloud Practitioner

ACCOMPLISHMENTS

- Star of the Month (August 2021, Jan 2022)
- Won Awards for extempore and group discussions.

PROJECTS

Cloud Cost Optimization: Identifying Stale EBS Snapshots I have created a Lambda function that identifies EBS snapshots that are no longer associated with any active EC2 instance and deletes them to save on storage costs. Description: The Lambda function fetches all EBS snapshots owned by the same account ('self') and also retrieves a list of active EC2 instances (running and stopped). For each snapshot, it checks if the associated volume (if exists) is not associated with any active instance. If it finds a stale snapshot, it deletes it, effectively optimizing storage costs.

VPC with servers in private subnets and NAT: I have created a VPC for 2-tier app in private subnet. The servers can connect to the internet by using a NAT gateway. The servers run in the private subnets are launched and terminated by using auto-scaling group and receive traffic from the load balancer. Target groups will forward one request to one ec2 instance another request to other ec2 instance.