Tanuja Reddy

# Aws Certified Solution Architect Associate and Azure Certified Administrator

Pursuing a Master’s in Computer Science at Southern Illinois University with graduation date of 2021.Have appreciable knowledge of Cloud Computing, Computer Networks, Amazon Web Services and Data Structures. Have Enterprise experience working with AWS services such as relation Data Base Services, Virtual Private Cloud, Firewalls Management and Full Stack Web Application Development. Extremely comfortable working with both front end and back end technologies like Java, Python, Angular JS, and Node JS. Well- rounded, multilingual, culturally aware professional with the ability to relate to diverse populations with various backgrounds. Strong ability to analyze, design develop and test applications. Focused, motivated, and career-oriented individual.

Experience

# Southern Illinois University, Carbondale

9 months (August 2020 – May 2020)

Teaching Assistant

United States

Currently working as a Teaching Assistant in Computer Sciences Department. Role is to teach

students and clarify their queries and conducting labs. Working as a Teaching Assistant gives me

profound experience in handling critical issues and coordinating students and counseling the

students.

1.Amazon Web Services and Azure.

2.Computer Organization and Design

3.Security in Computer Networks

4. Java

Has taught the concepts in java and guided the students in coding.

Helped the students in working with various AWS services.

Have been patient in debugging the errors, focused on the students with low grasping power.

4+ years of Experience using AWS

(Research Center, DRDO, India) (2015 – 2019)

Worked as an intern in developing applications in AWS. Proficient in building high performance, secure and fault tolerant applications. Has ample amount of experience in working with EC2 instances, building networks using VPC, subnets, configuring route tables, NAT instances and solid understanding on IAM roles and policies. Has hands-on experience on RDS, Amazon Aurora, DynamoDB, Redshift, Kinesis and Storing data in EBS and S3 and performing backups using snapshots, decreasing latency using content delivery networks, SQS, SNS , Lambda, migrating on premises data to cloud, Cloud Formation, AWS Directory services and well versed in all the AWS core services.

Has experience in integrating on premises infrastructure with AWS using Direct Connect, site to site VPN connections, and transfer the using data sync and storage gateways. Well versed in almost all the AWS services. Experienced in designing and configuring the system using Chef, Terraform and Ansible. Skilled in designing and implementing availability, scalability and performance in AWS environment.

Programmed policies for the users using Terraform, Vault, Auth0, Python and JSON.

Technologies:

Proficient in Java, Python, SQL, Snowflake, PostgreSQL, CSS, Terraform.

**Project:**

* Developed fault tolerant and highly available chat application by deploying it in multiple availability zones and achieved low latency in the application using cloud front, the database used for the application is Amazon RDS. The fault tolerance feature for the application is guaranteed by running the instances in multiple availability zones and by taking point-in-time snapshots of the instance.
* Migrated database of 80TB using snowball device.
* Designed tic tac toe mobile gaming application using CodeBuild, CodeDeploy in Python. The gaming application is available in multiple regions. I used cloud front to reduce the latencies and Route 53 with failover routing policy to achieve fault tolerance and Amazon Cognito to provide authentication, authorization and user management.

# **Certifications**

AWS Cloud Practitioner

AWS Solution Architect

Microsoft certified Azure Cloud Practitioner

Microsoft certified Azure Administrator

Tools and Technologies

* Java Script > XML
* Java > Terraform
* Python > JSON
* SharePoint > GIT
* SQL