

CLOUD APPLICATION DEVELOPMENT

WEEK 2

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ROLL NO-R2142201817

BATCH-B4

Q-As a final output of the project, the you are expected to upload your designed applications on public cloud (AWS/Azure) and hence need to analyse and explain which application platform will you be following, and why?

ARCHITECTURAL STYLE

SIMD (Single Instruction Multiple Data)

Here SIMD will be used because discord bot will give different data recommendation on the basis of single input of genre on the basis of user data

Hosting of discord servers on cloud services like AWS, AZURE, GCP to run discord servers on cloud to access it globally

Discord bot can be deployed using AWS server as we need to scale it according to the use of people joining in the server that has been deployed over the internet

AWS Will be used by discord bot that I'll be creating

Services that will be used provided by the AWS

AMAZON EC2-Computing services used for the creation of instances and managing it for the deployment of server.

AMAZON S3-Object storage service to store information like discord suggestions

AMAZON DYNAMODB-NoSQL Database service to store information about discord users and user preferences.

AMAZON LAMBDA-serverless computing service to run discord bot token code.

AMAZON API GATEWAY-service for creating and deploying API's, it'll be used to create interaction between different applications.