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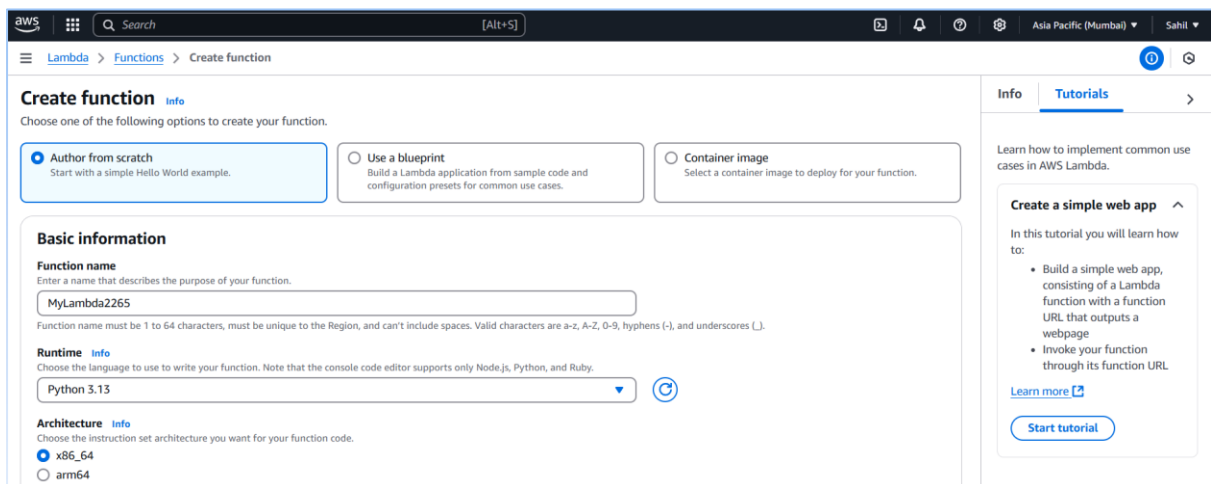
Name of the Student: Sahil S. Mandawgade   PRN: 20220802265
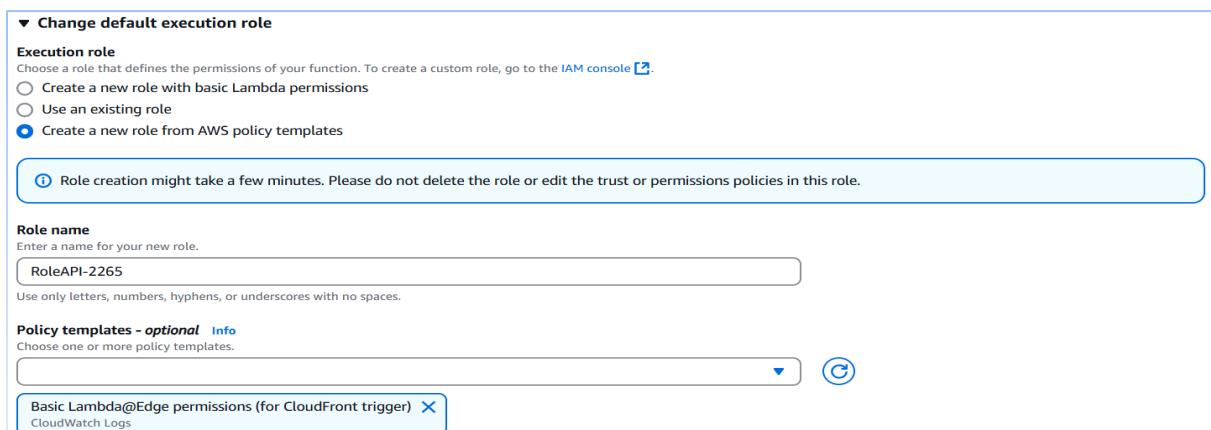
Title of Practical: 10. Build API Gateway with Lambda Integration.

Step 1: Create an AWS Lambda Function

- Sign in to AWS Console → Go to Lambda.
- Click Create function → Choose Author from scratch.
- Enter a Function Name (MyLambda2265).
- Choose Runtime (Python 3.13 or Python 3.11).

- Select an Execution Role:
    - Choose Create a new role from AWS Policy templates
    - Set name as 'RoleAPI-2265'
    - Select Policy template – Basic Lambda.

- Click Create function.

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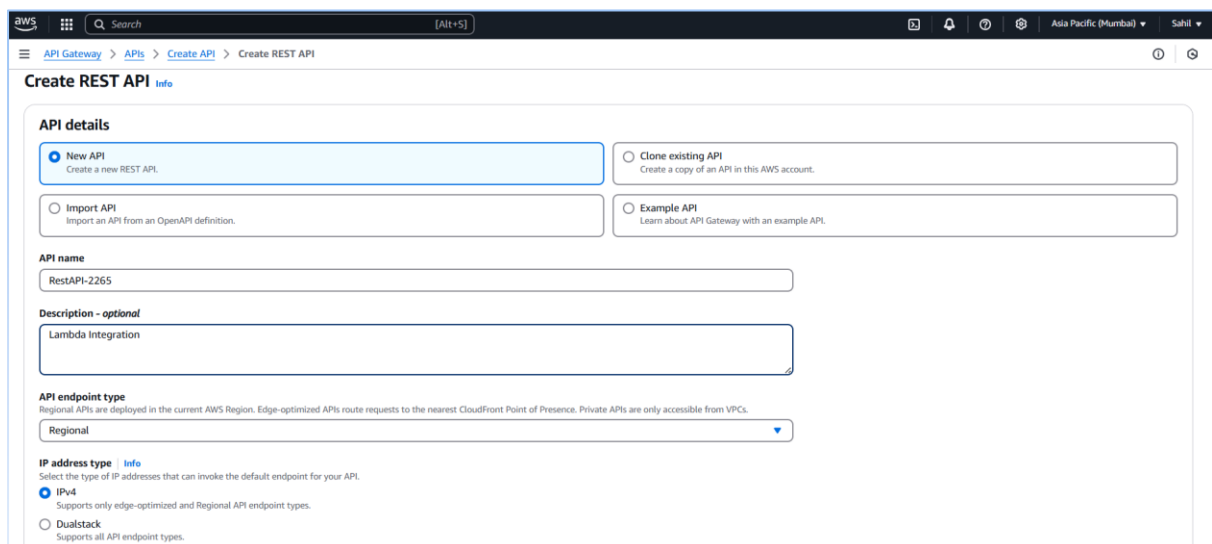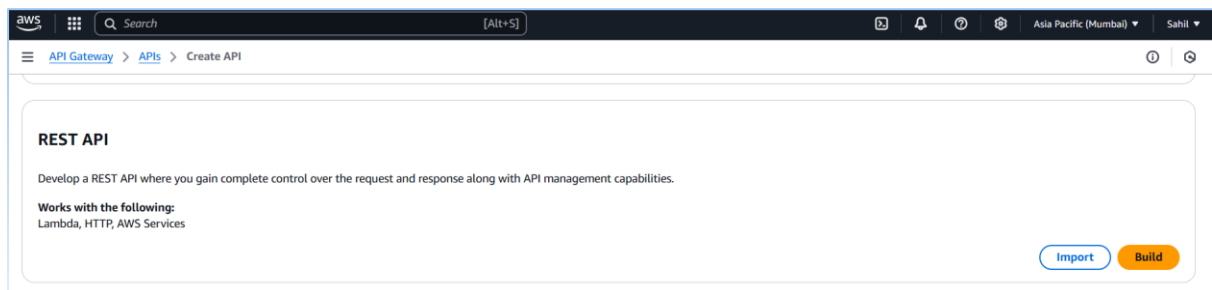
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Step 2: Create an API Gateway

- Go to API Gateway → Click Create API.
- Select REST API.
- Click Build.

- Create a Resource and Deploy API
  - In API Gateway, under your newly created API:

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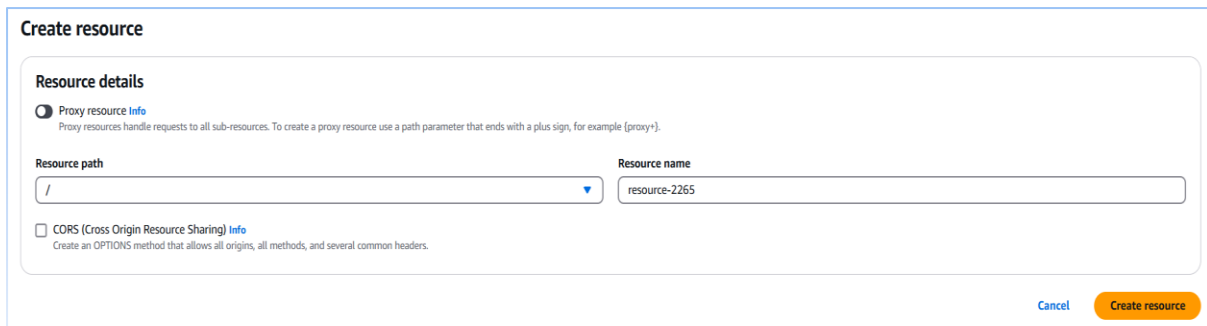## B. Tech TY (CCSA)
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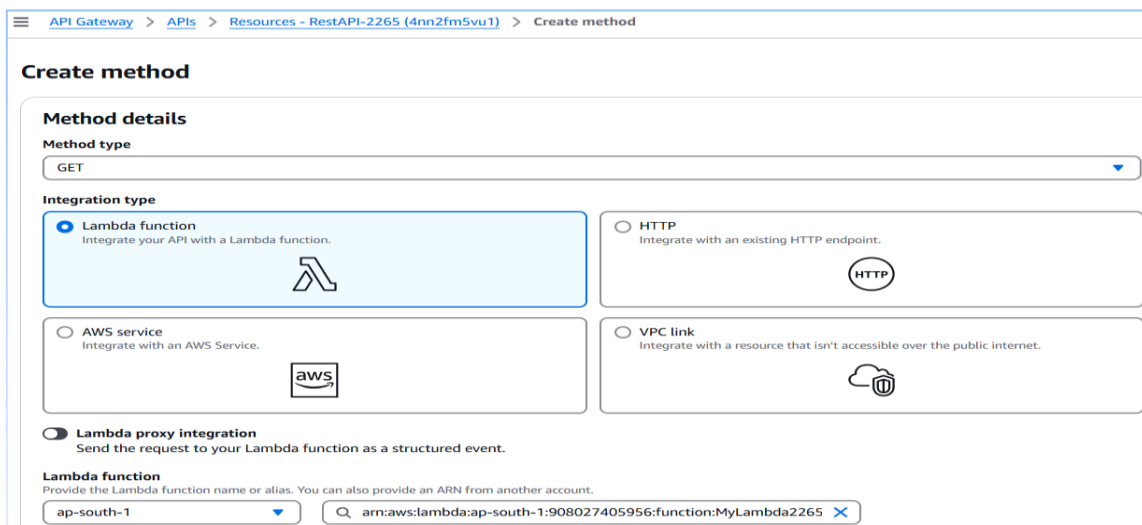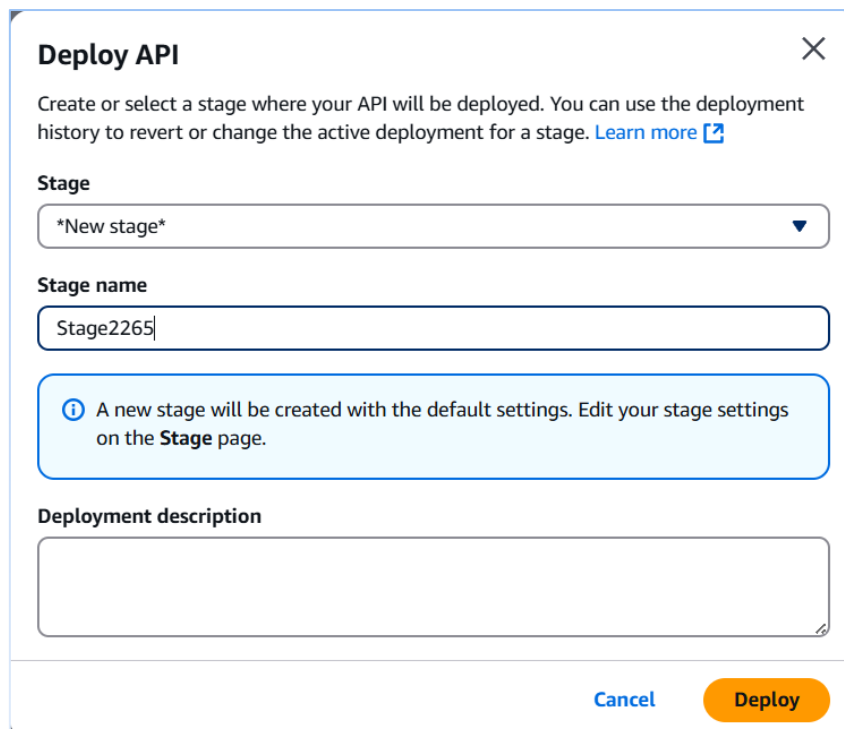**Name of the Student:**   Sahil S. Mandawgade   **PRN: 20220802265**

Title of Practical: 10. Build API Gateway with Lambda Integration.

1. Click Resources → Create Resource.
2. Enter Resource Name (resource-2265).
3. Click Create Resource.

- Click Actions → Create Method.
- Select GET.
- Set Integration Type to Lambda Function.
- Select Lambda Function – MyLambda2265.
- Set Integration Timeout to 29 seconds (default).
- Click on 'Create method'.

- Click Deploy API:
  - Create a new stage → Enter Stage Name (Stage2265).

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- o Click Deploy.

- • Get the Invoke URL
- • Go to Stages → Select your Stage .
- • Click on your Resource → GET.
- • Copy the Invoke URL

- • Paste it in a new tab.

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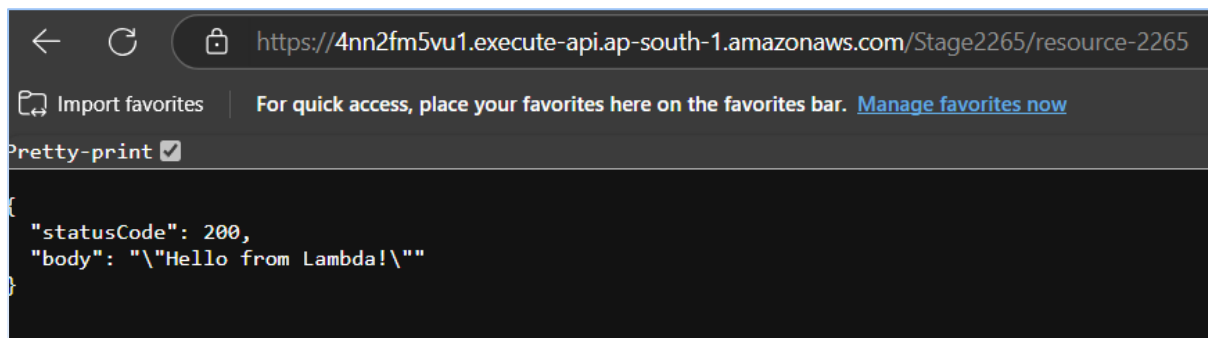## B. Tech TY (CCSA)
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API Gateway has been built successfully.

- **Start the deletion process:**
  - Delete method, resource, API.
  - Delete Lambda Function.