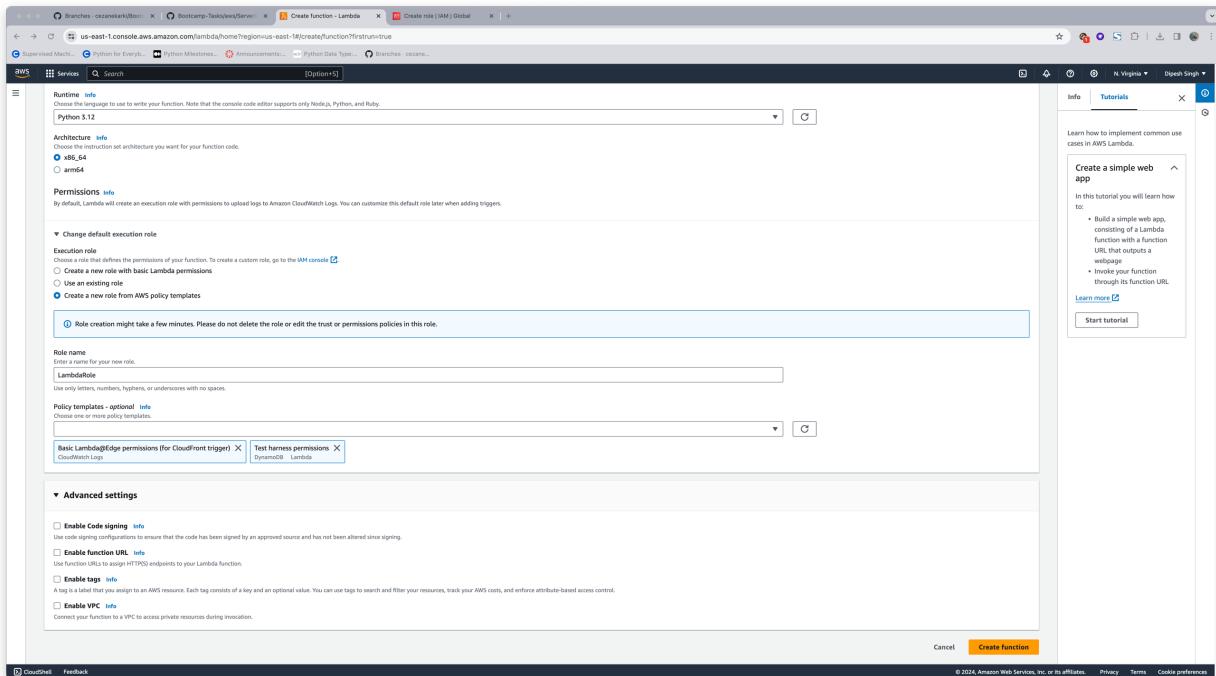
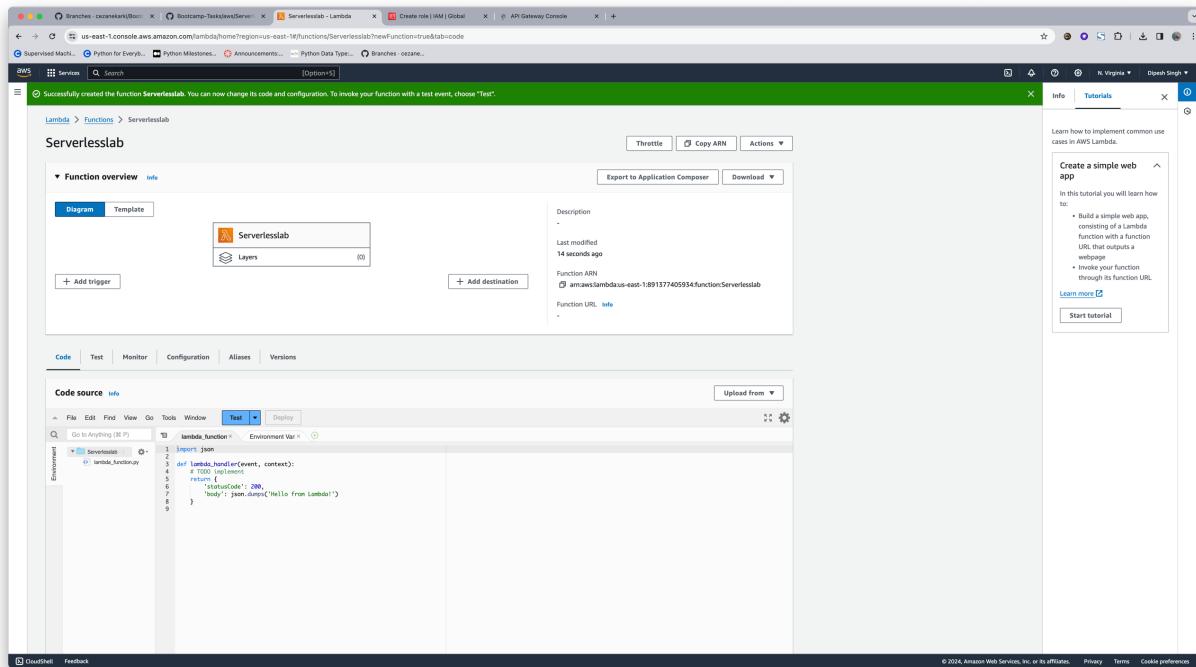


# Building a Serverless Web Application

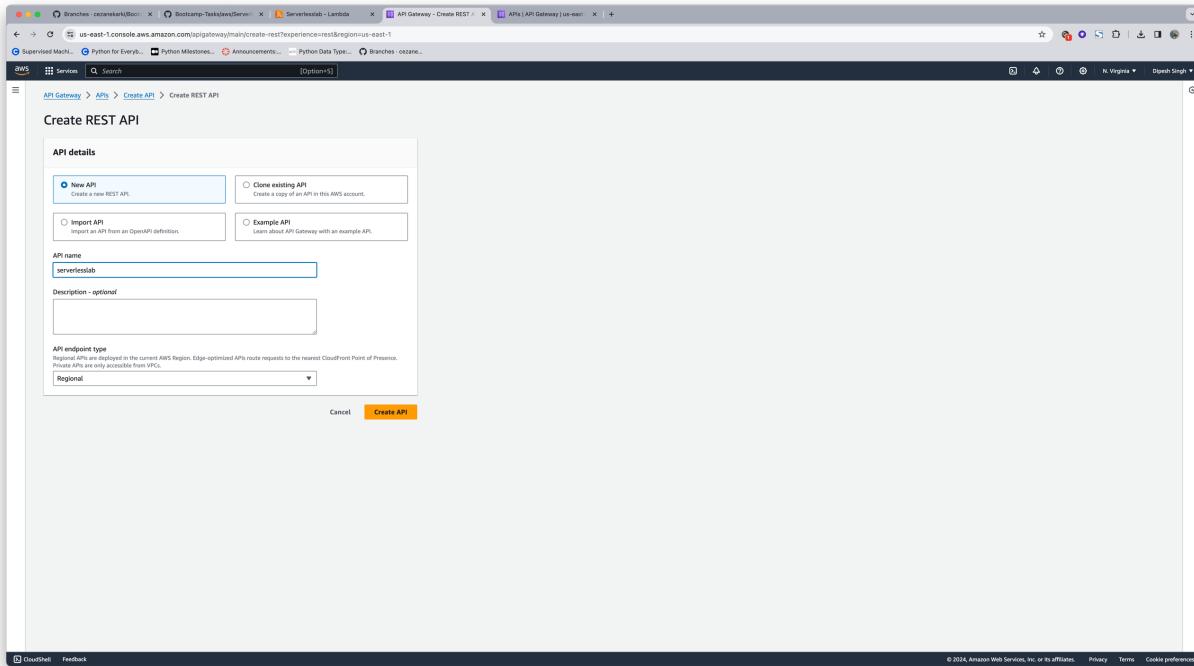
I will create a lambda function



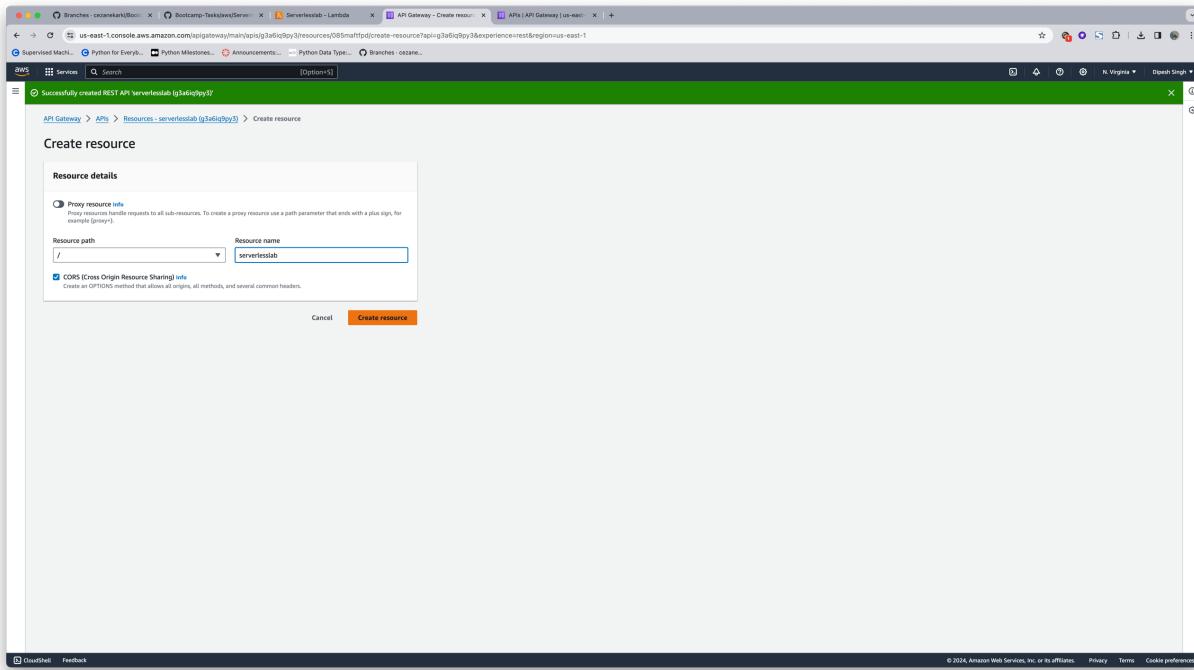
The lambda function is set up successfully.



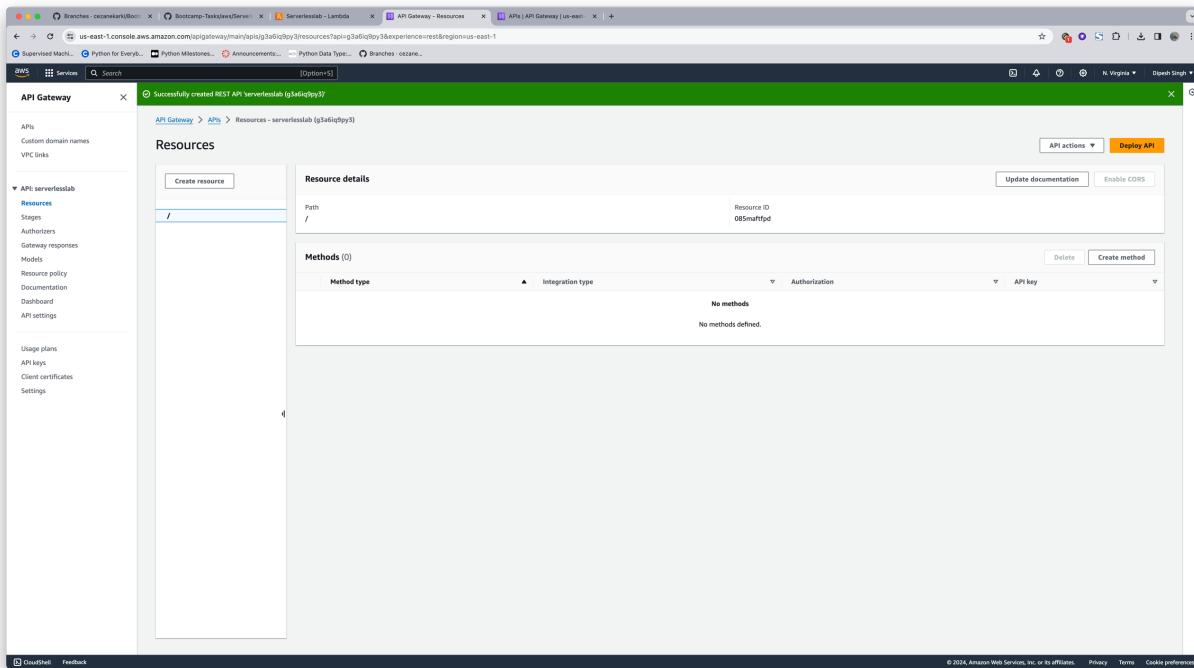
## Now, I will create a REST API



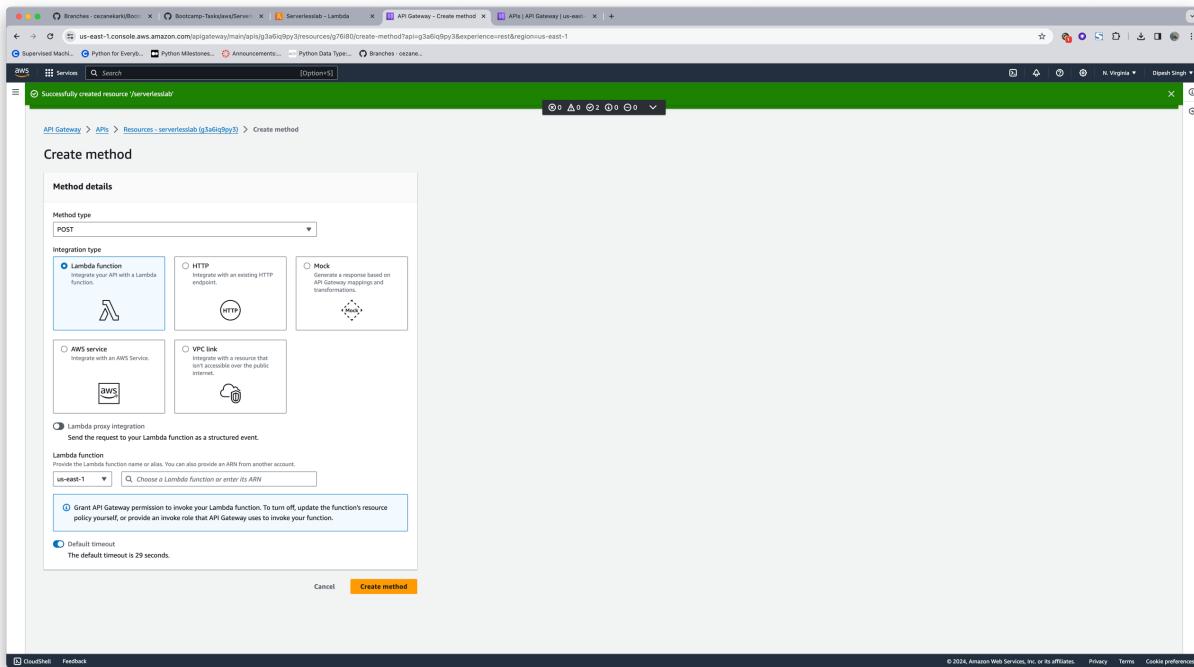
The screenshot shows the 'Create REST API' wizard in the AWS Management Console. The 'API details' step is displayed, with the 'New API' radio button selected. The API name is set to 'serverlesslab'. The 'Description - optional' field is empty. Under 'API endpoint type', 'Regional' is selected. At the bottom, there are 'Cancel' and 'Create API' buttons.



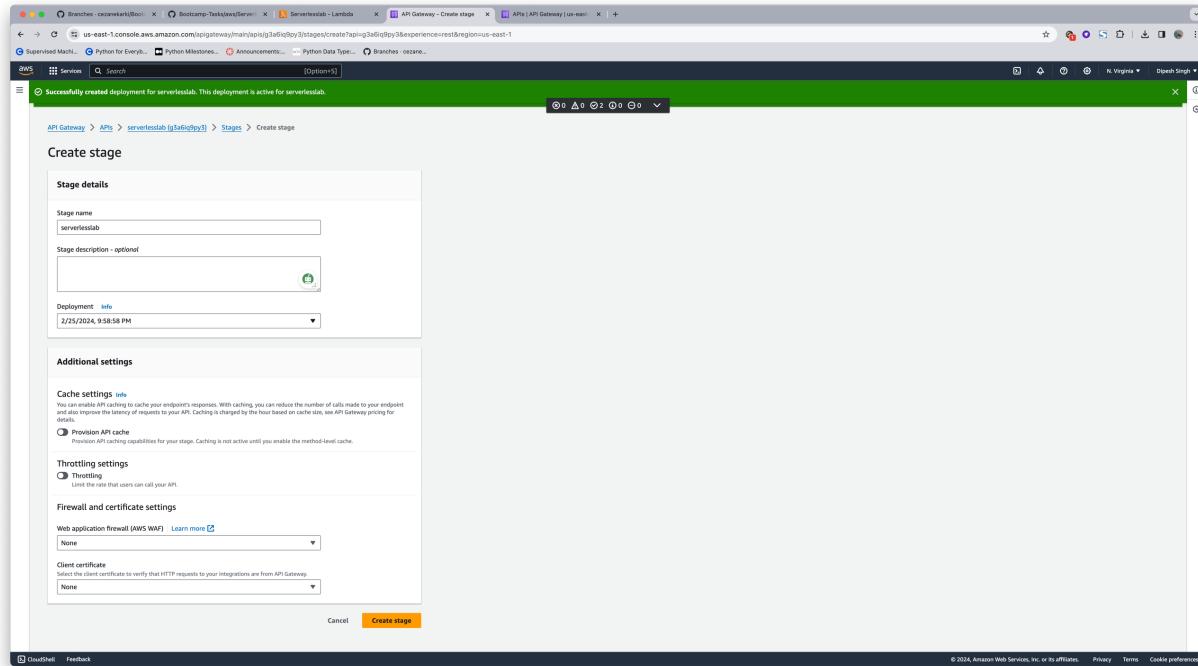
The screenshot shows the 'Create resource' wizard in the AWS Management Console. The 'Resource details' step is displayed, with the 'Proxy resource' radio button selected. The 'Resource path' is set to '/' and the 'resource name' is 'serverlesslab'. Under 'CORS (Cross Origin Resource Sharing) info', it says 'Create an OPTIONS method allows all origins, all methods, and several common headers.' At the bottom, there are 'Cancel' and 'Create resource' buttons.



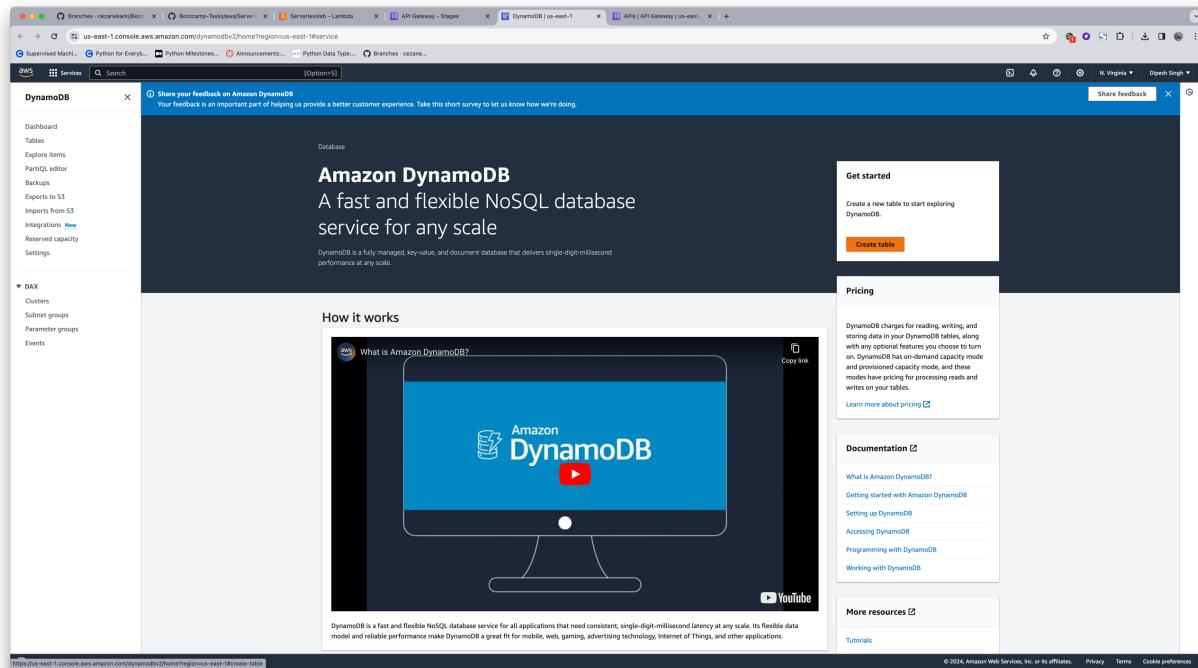
Now, I will create methods for POST, GET, DELETE



## Next is create stage



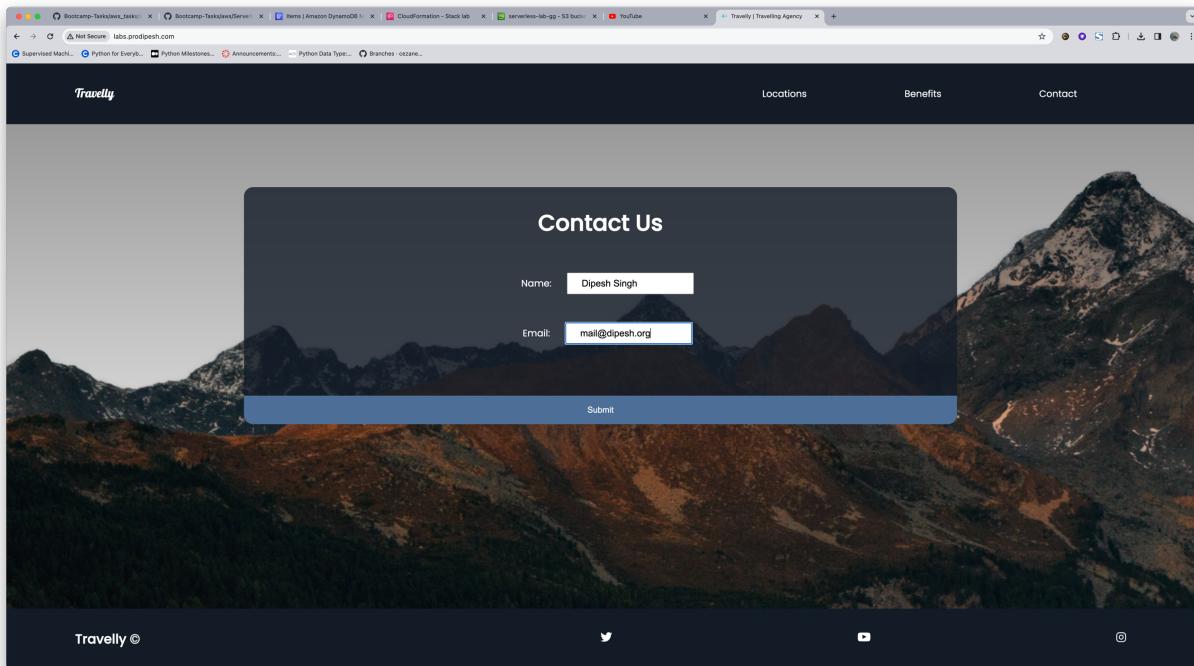
## Now create a Dynamodb



The screenshot shows the 'Create table' step in the AWS DynamoDB console. It includes fields for 'Table name' (serverlesslab), 'Partition key' (id), and 'Sort key - optional'. Below these are sections for 'Table settings' (Default settings selected) and 'Default table settings' (Capacity mode: Provisioned, Read capacity: 5 RCU, Write capacity: 5 WCU). The status bar at the bottom indicates '© 2024, Amazon Web Services, Inc. or its affiliates.'

## Create a S3 bucket.

The screenshot shows the 'Create Bucket' step in the AWS S3 console. It includes a warning about public objects, a 'Bucket Versioning' section (Enable selected), a 'Tags - optional' section (No tags associated with this bucket), and a 'Default encryption' section (Server-side encryption with Amazon S3 managed keys (SSE-S3) selected). The status bar at the bottom indicates '© 2024, Amazon Web Services, Inc. or its affiliates.'



A screenshot of the AWS DynamoDB console. The left sidebar shows the 'DynamoDB' service with various options like 'Tables', 'Explore items', and 'Partitions editor'. The main area is titled 'contact-form' and shows a table with one item. The table has two columns: 'name (String)' and 'email (String)'. The single item listed is 'Dipesh Singh' with the email 'mail@dipesh.org'. The status bar at the bottom indicates 'Completed. Read capacity units consumed: 0.5'.

The data is stored in Dynamodb.