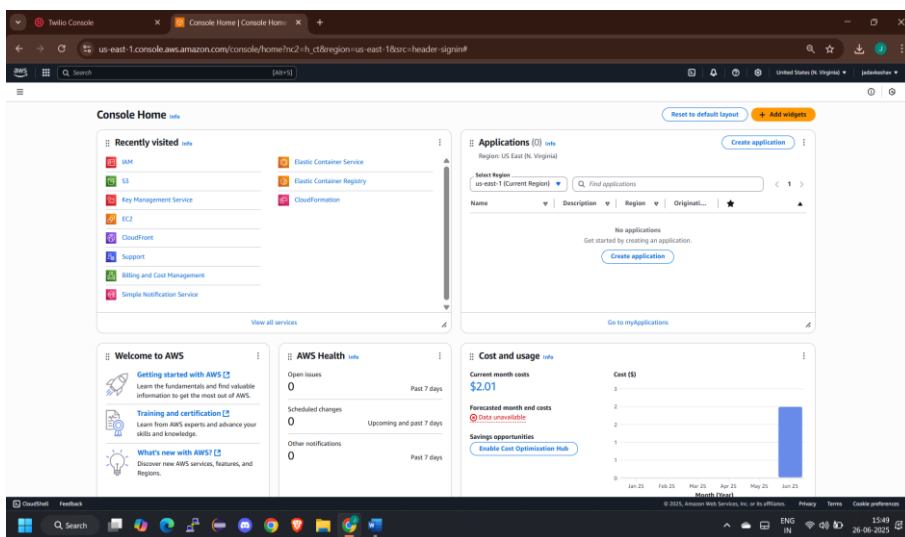
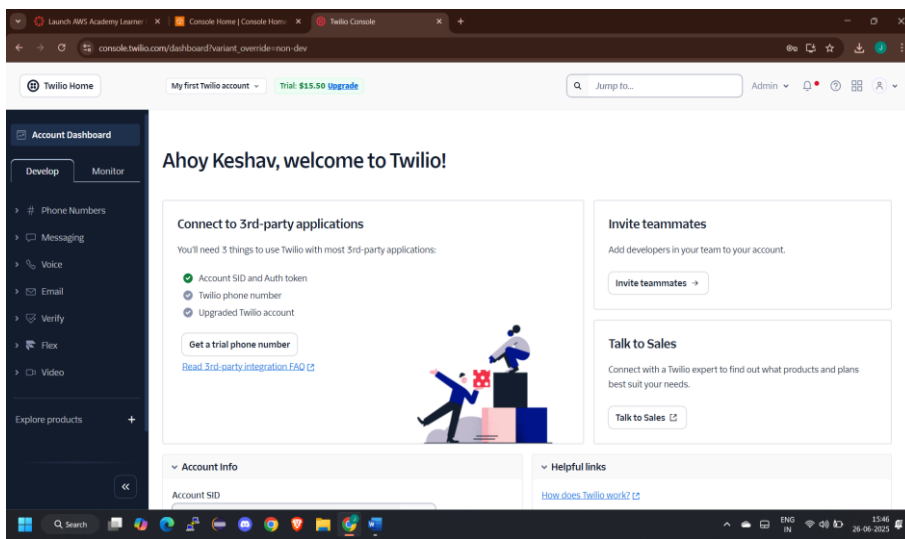
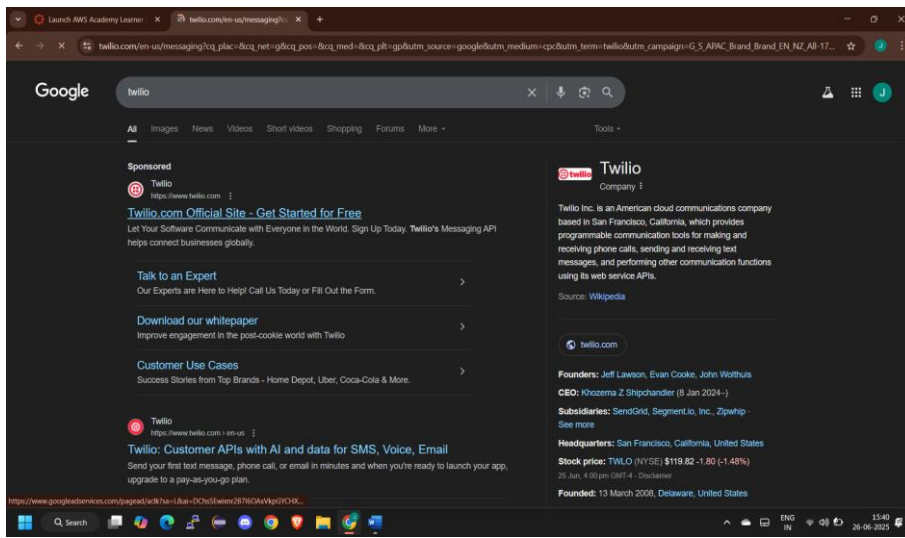


AMAZON LEX SERVICE



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Amazon Lex | us-east-1

us-east-1.console.aws.amazon.com/lexv2/home?region=us-east-1#welcome

Amazon Lex

Conversational AI for self-service bots

Amazon Lex is a service for building conversational interfaces into any application using voice and text, enabling you to add sophisticated, natural language chatbots to your applications.

Build a bot using Generative AI

Kickstart your bot creation experience with Descriptive Bot Builder which will build you a bot based on a description you provide.

[Create bot](#)

Pricing (US)

With Amazon Lex, you pay only for what you use. There is no upfront commitment or minimum fee. Amazon Lex bots are designed for a request and response interaction or a continuous streaming conversation. With the request and response interaction, each user input (voice or text) is processed as a separate API call. In a streaming conversation, all user inputs across multiple turns are processed in one streaming API call. Pricing for Lex is based upon these two interaction models, request and response interaction and continuous streaming conversation. [Learn more](#)

How it works

Step 1: Script conversation

Script
Write sample dialog that illustrate the ideal conversation flow.

Plan
Translate scripts into bot components by identifying training data.

Refine
Review conversation and improve for clarity and brevity.

Step 2: Design your bot

Getting started

Amazon Lex | us-east-1

us-east-1.console.aws.amazon.com/lexv2/home?region=us-east-1#createBot

Configure bot settings

Step 1: Configure bot settings

Step 2: Add languages

Creation method

☒ **Traditional** ☐ **Generative AI**

☒ **Create a blank bot**
Create a blank bot with no preconfigured transcripts, intents, and slot types.

☐ **Start with an example**
An example bot has preconfigured languages, intents, and slot types. You can change these settings.

☐ **Start with transcripts**
Automatically generate intents from conversational transcripts that you upload. Only English (US) language is available when starting with a transcript.

Bot configuration

Bot name
Helloworldbot
Maximum 100 characters. Valid characters: A-Z, a-z, 0-9, -, ., _

Description - optional
This description appears on bot list page. It can help you identify the purpose of your bot.
IT helpdesk bot for employees in the North America office.
Maximum 2000 characters.

IAM permissions
IAM roles are used to access other services on your behalf.

Runtime role
Choose a role that defines permissions for your bot. To create a custom role, use the IAM console.
☒ Create a role with basic Amazon Lex permissions.

Amazon Lex | us-east-1

us-east-1.console.aws.amazon.com/lexv2/home?region=us-east-1#createBot

IAM permissions
IAM roles are used to access other services on your behalf.

Runtime role
Choose a role that defines permissions for your bot. To create a custom role, use the IAM console.
☒ Create a role with basic Amazon Lex permissions.
☐ Use an existing role.

New role
Amazon Lex creates a runtime role with permission to upload to Amazon CloudWatch Logs.
AWSTServiceRoleForLexV2Bot_352QMB33BL3

Bot error logging
Deliver unprocessed errors on Lex bots.

Error logs
☐ Enabled
☒ Disabled
[Learn more about error logs](#)
[Go to error logs](#)

Children's Online Privacy Protection Act (COPPA)
Is use of your bot subject to the Children's Online Privacy Protection Act (COPPA)?
☐ Yes
☒ No

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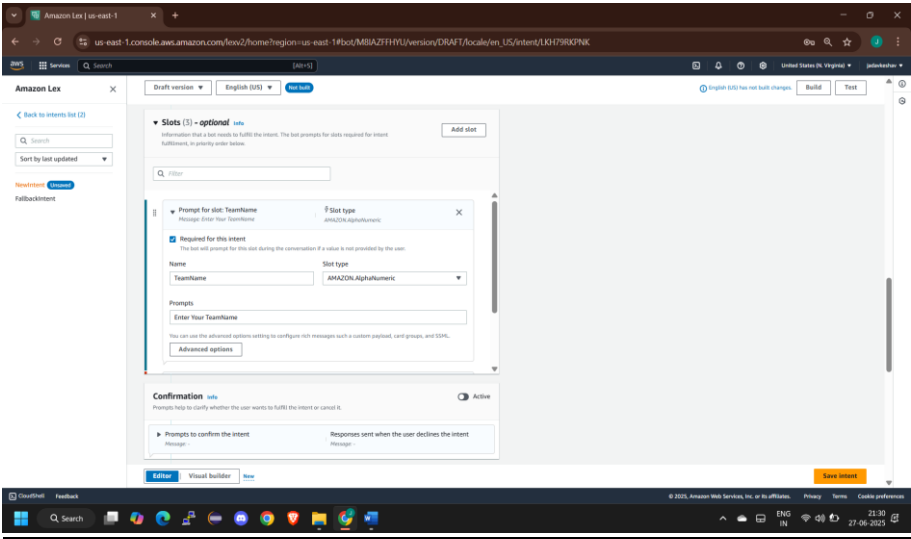
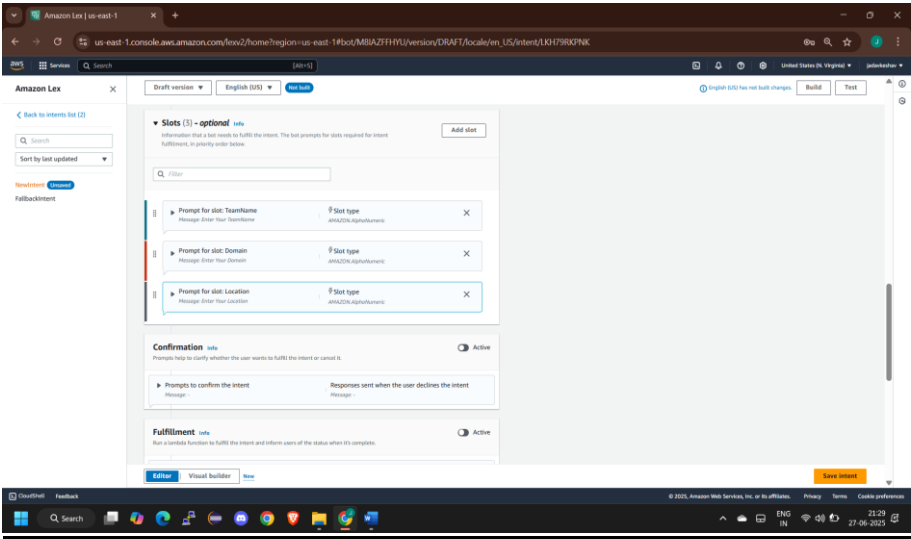
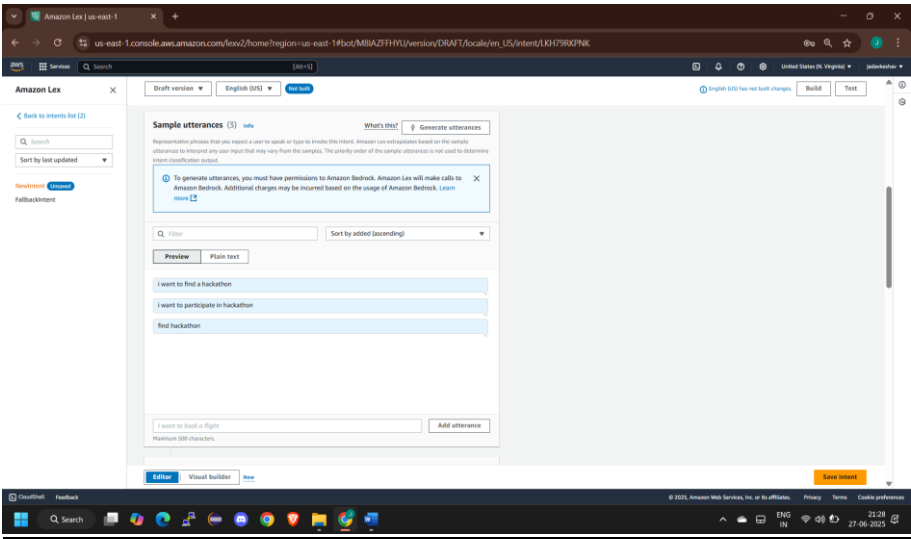
The image displays three sequential screenshots of the Amazon Lex console interface, illustrating the steps to create and configure a bot.

Top Screenshot: Add language to bot
This screen shows the 'Add language to bot' configuration page. The language is set to 'English (US)'. The 'Voice interaction' is set to 'Dialogue'. A 'Voice sample' is provided: 'Hello, my name is Danielle. Let me know how I can assist you.' The 'Intent classification confidence score threshold' is set to '0.40'. Buttons for 'Cancel', 'Add another language', and 'Done' are visible at the bottom.

Middle Screenshot: Bots list
This screen shows the 'Bots' list in the Amazon Lex console. A table lists the bots, with one bot named 'HackathonBot' (ID: MBIAZ7HHU) shown. The table columns include ID, Name, Description, Status, Latest Version, and Last updated. Below the table, there is an 'Import/export history' section.

Bottom Screenshot: Intent configuration
This screen shows the configuration page for a specific intent named 'NewIntent'. The 'Conversation flow' is set to 'NewIntent'. The 'Intent details' section includes the 'Intent name' (NewIntent), 'Intent and utterance generation description', and 'ID' (LSK798KPNK). The 'Contexts - optional' section shows 'Input contexts' and 'Output contexts'. Buttons for 'Draft version', 'English (US)', 'Build', 'Test', and 'Save intent' are visible.

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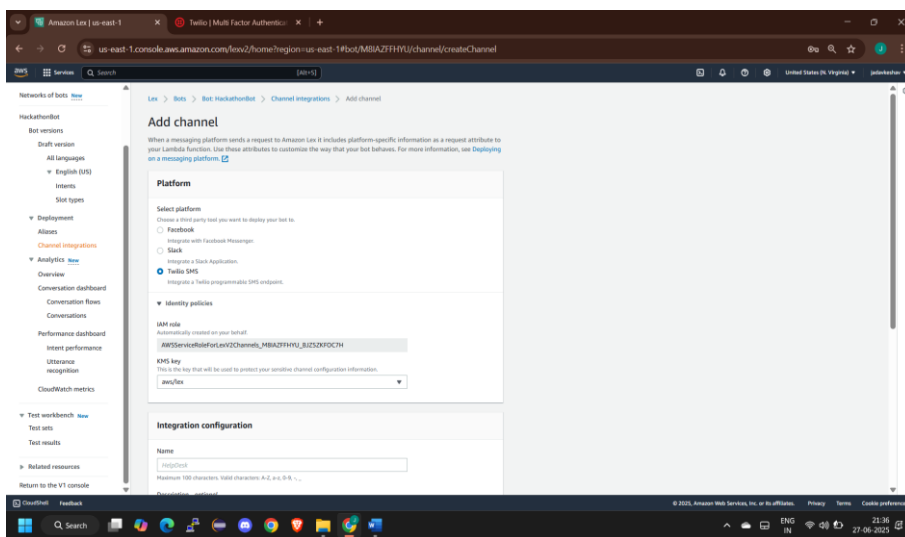
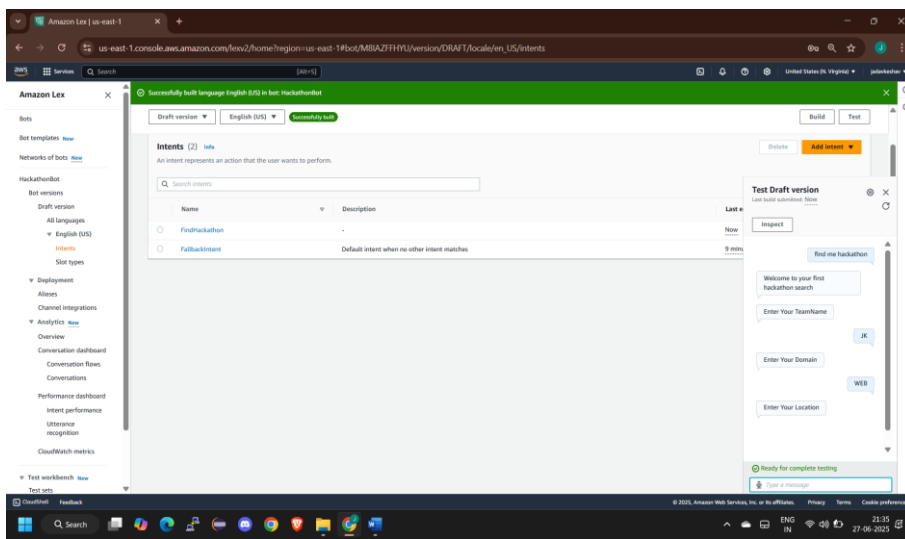
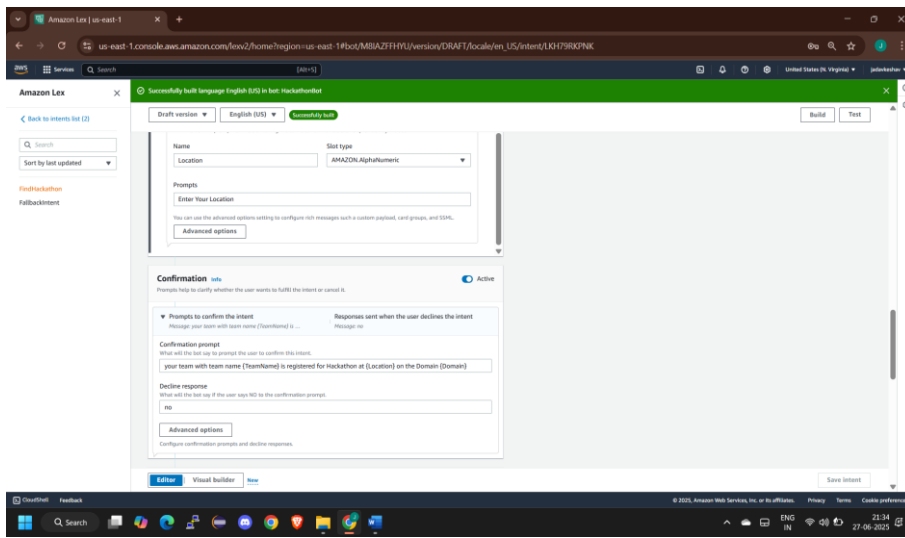
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The screenshot displays the Amazon Lex console interface for configuring an intent. The top navigation bar shows the AWS logo, the service name 'Amazon Lex', and the region 'us-east-1'. The breadcrumb trail indicates the path: 'us-east-1 console.aws.amazon.com/lexv2/home?region=us-east-1#console/MBIAZFHYU/version/DRAFT/locale/en_US/intent/LKH790KPNK'. The left sidebar contains a search bar and a list of intents, with 'NewIntent' and 'Update' buttons. The main content area is titled 'Initial response' and includes a 'Draft version' dropdown, a language selector set to 'English (US)', and a 'Test' button. The configuration section is divided into three parts: 'Response to acknowledge the user's request' with a message group containing 'Welcome to your first hackathon search'; 'Slots' with a filter input; and a 'Save intent' button at the bottom right. The bottom status bar shows the date '27-06-2025' and time '21:30'.

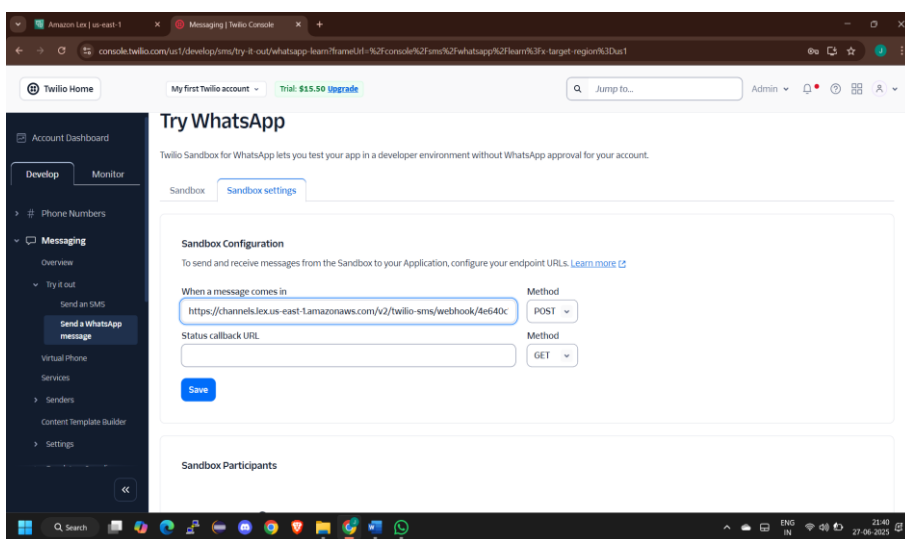
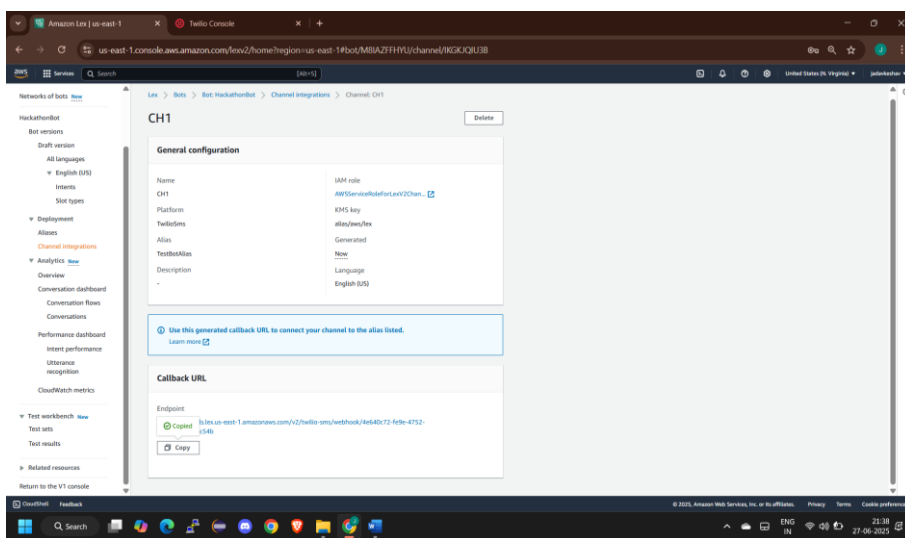
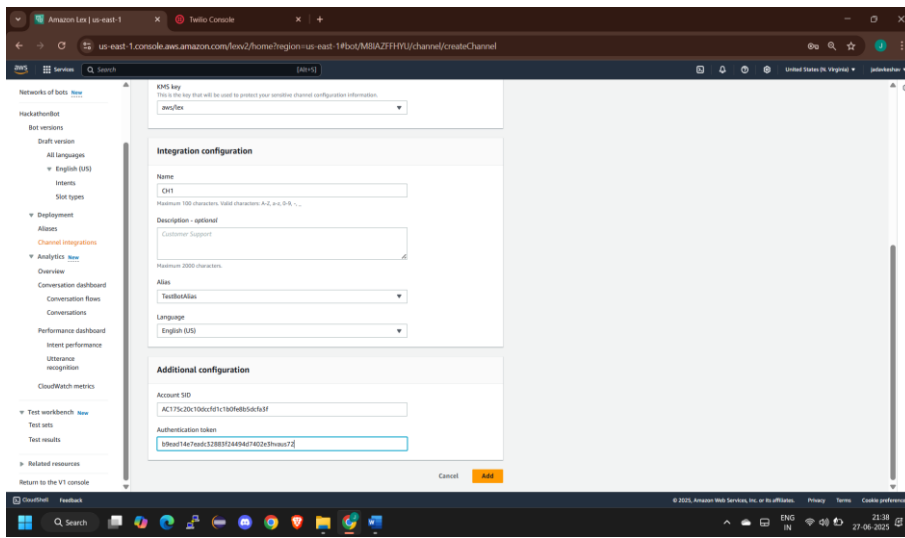
This screenshot shows the 'Confirmation' and 'Fulfillment' configuration steps in the Amazon Lex console. The 'Confirmation' section is active and includes a 'Confirmation prompt' with the message 'your team with team name {TeamName} is registered for Hackathon at {Location} on the Domain {Domain}', a 'Decline response' field, and an 'Advanced options' button. The 'Fulfillment' section is also active and includes a 'On successful fulfillment' message and an 'In case of failure' message. The 'Closing response' section is visible at the bottom, indicating it is active. The interface includes the same top navigation and left sidebar as the previous screenshot. The bottom status bar shows the date '27-06-2025' and time '21:32'.

The screenshot displays the 'Closing response' configuration step in the Amazon Lex console. The 'Closing response' section is active and includes a 'Response sent to the user after the intent is fulfilled' message group with the message 'thank!', a 'Set values' section for 'Next step in conversation' and 'End conversation', and an 'Add conditional branching' button. The 'Code hooks' section is also visible at the bottom. The interface maintains the same top navigation and left sidebar. The bottom status bar shows the date '27-06-2025' and time '21:32'.

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