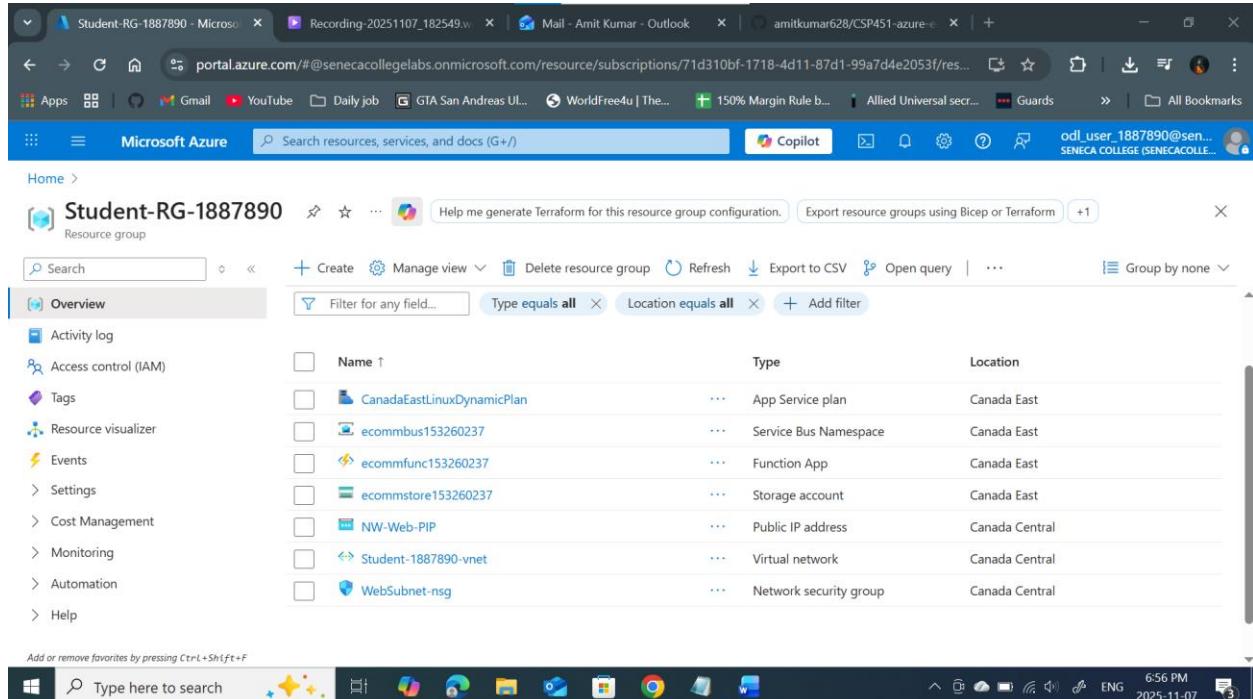


Presentation

Name= Amit kumar

student ID= 153260237

Screenshots



The screenshot shows the Microsoft Azure Resource Group Overview page for the resource group "Student-RG-1887890". The page displays a list of resources with columns for Name, Type, and Location. The resources listed are:

Name	Type	Location
CanadaEastLinuxDynamicPlan	App Service plan	Canada East
ecommbus153260237	Service Bus Namespace	Canada East
ecommfunc153260237	Function App	Canada East
ecommstore153260237	Storage account	Canada East
NW-Web-PIP	Public IP address	Canada Central
Student-1887890-vnet	Virtual network	Canada Central
WebSubnet-nsg	Network security group	Canada Central

Storage Account – Container View

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** portal.azure.com/#view/Microsoft_Azure_Storage/ContainerMenuBlade/~/overview/storageAccountId/%2Fsubscriptions%2F71...
Home > Student-RG-1887890 > ecommstore153260237 | Containers > azure-webjobs-secrets
- Toolbar:** Microsoft Azure, Search resources, services, and docs (G+), Copilot, All Bookmarks, odl_user_1887890@sen..., SENeca College (SENECACOLLE...)
- Content Area:**
 - Overview:** Shows the container 'azure-webjobs-secrets' under 'ecommfunc153260237'.
 - Authentication method:** Access key (Switch to Microsoft Entra user account).
 - Search:** Search blobs by prefix (case-sensitive) and a dropdown for Only show active blobs.
 - Table:** Displays a list of blobs with columns: Name, Last modified, Access tier, Blob type, Size, and Lease state.

Name	Last modified	Access tier	Blob type	Size	Lease state
[..]	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	518 B	Available
createorder.json	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	518 B	Available
getproducts.json	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	827 B	Available
host.json	11/7/2025, 3:04:30 PM	Hot (Inferred)	Block blob	518 B	Available
processororder.json	11/7/2025, 3:04:31 PM	Hot (Inferred)	Block blob	518 B	Available

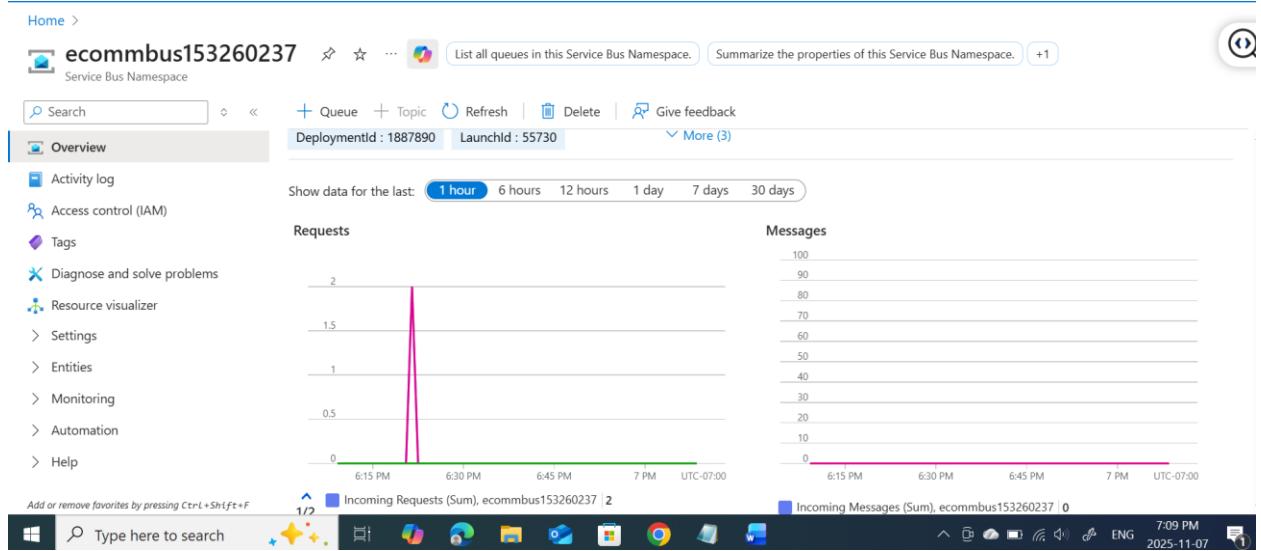


Ecommfunc

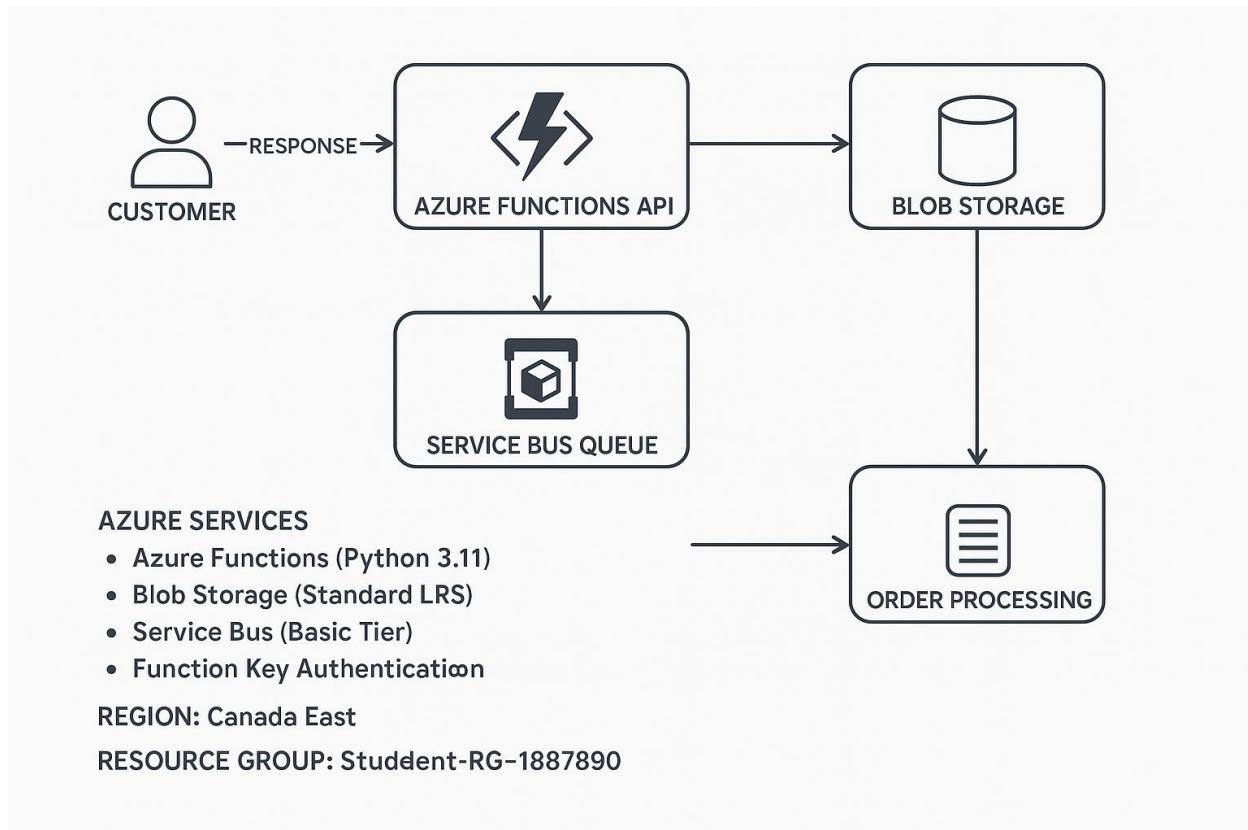
The screenshot shows the Microsoft Azure portal interface. The top navigation bar has several tabs open, including 'DeepSeek - Into the Unknown', 'Learn Docker fast - Claude', 'amitkumar628/CSP451-azure-e...', and 'ecommfunc153260237 - Microsoft Azure'. The main content area is titled 'ecommfunc153260237' and 'Function App'. On the left, a sidebar menu includes 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Microsoft Defender for Cloud', 'Events (preview)', 'Log stream', 'Resource visualizer', 'Functions', 'Metrics', 'Properties', and 'Notifications (1)'. A message at the top right says 'Migrate your app to Flex Consumption as Linux Consumption will reach EOL on September 30 2028 and will no longer be supported.' Below this, there's a table with two rows: 'CreateOrder' (HTTP trigger, Enabled) and 'GetProducts' (HTTP trigger, Enabled). The bottom of the screen shows a Windows taskbar with various pinned icons and system status.

Ecommibus Screenshort

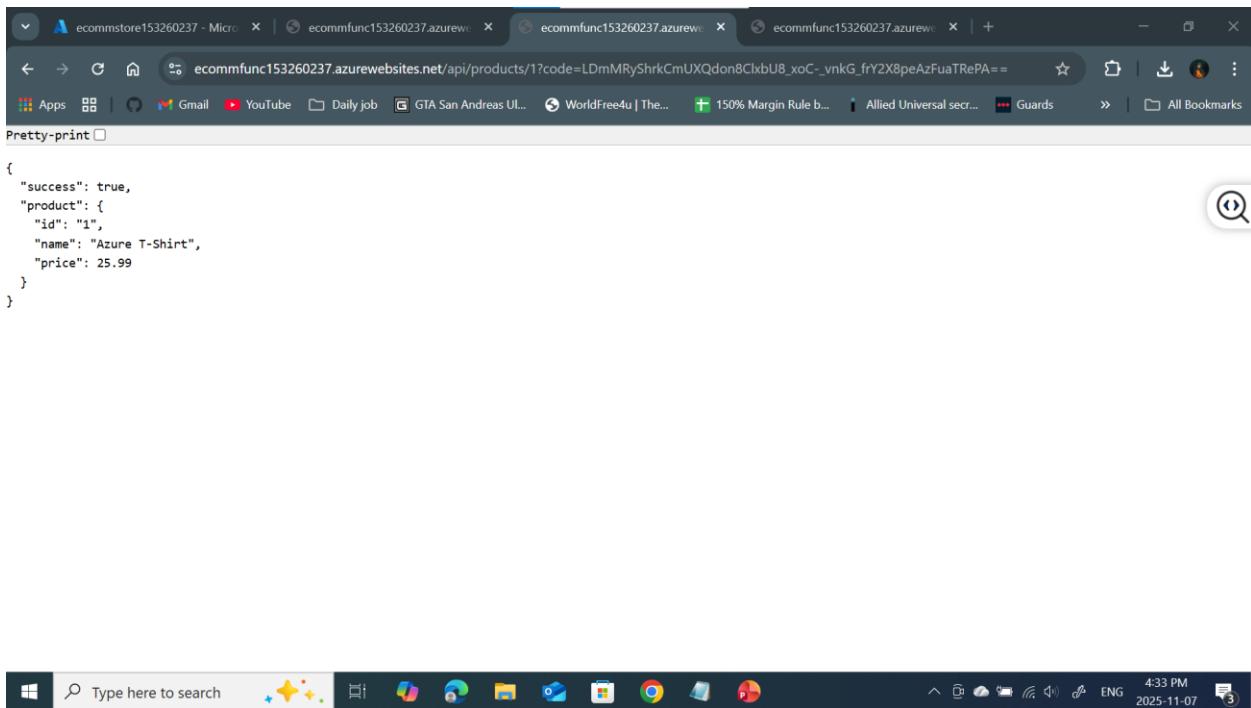
The screenshot shows the Microsoft Azure portal interface. The top navigation bar has several tabs open, including 'DeepSeek - Into the Unknown', 'Learn Docker fast - Claude', 'amitkumar628/CSP451-azure-e...', and 'ecommfunc153260237 - Microsoft Azure'. The main content area is titled 'ecommibus153260237' and 'Service Bus Namespace'. On the left, a sidebar menu includes 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Resource visualizer', 'Settings', 'Entities', 'Monitoring', 'Automation', and 'Help'. A message at the top right says 'List all queues in this Service Bus Namespace.' and 'Summarize the properties of this Service Bus Namespace.' Below this, there's a table with several properties listed. The bottom of the screen shows a Windows taskbar with various pinned icons and system status.



- ARCHITECTURE DIAGRAM



Single Product Lookup

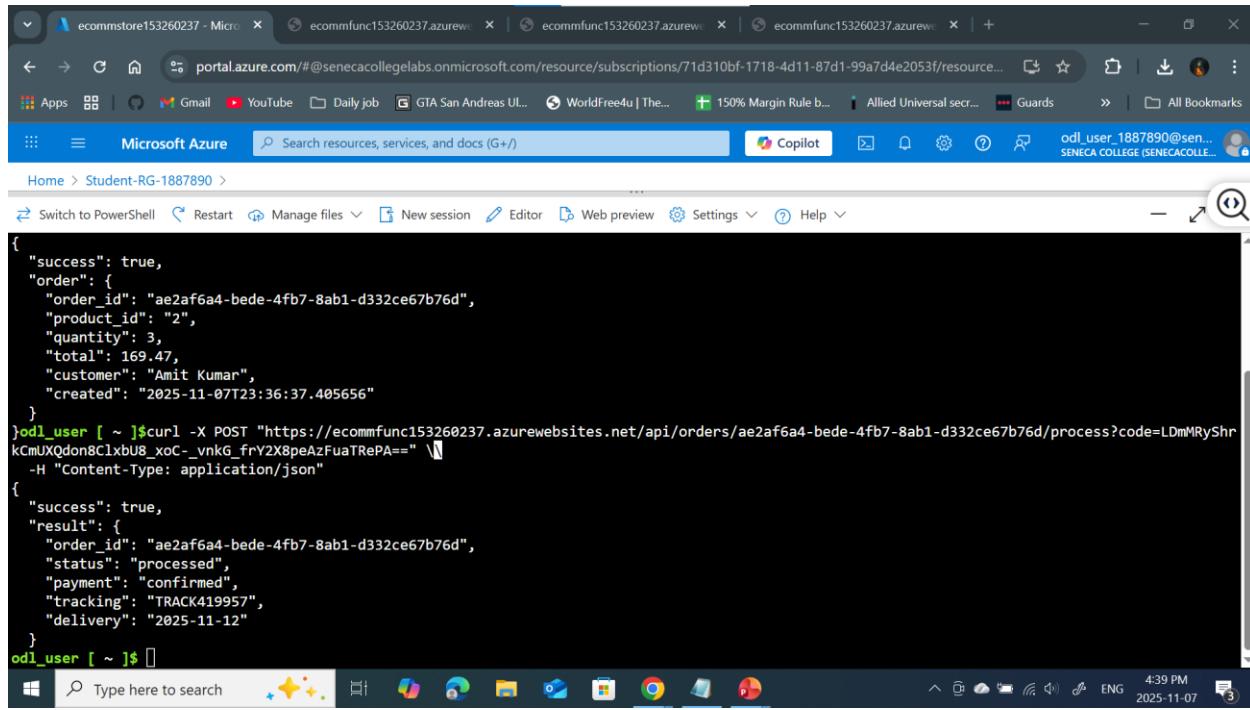


A screenshot of a Microsoft Edge browser window. The address bar shows the URL `ecommfunc153260237.azurewebsites.net/api/products/1?code=LdmMRYShrkCmUXQdon8ClkbU8_xoC-_vnkG_frY2X8peAzFuaTRePA==`. The main content area displays a JSON object representing a product:

```
{  
  "success": true,  
  "product": {  
    "id": "1",  
    "name": "Azure T-Shirt",  
    "price": 25.99  
  }  
}
```

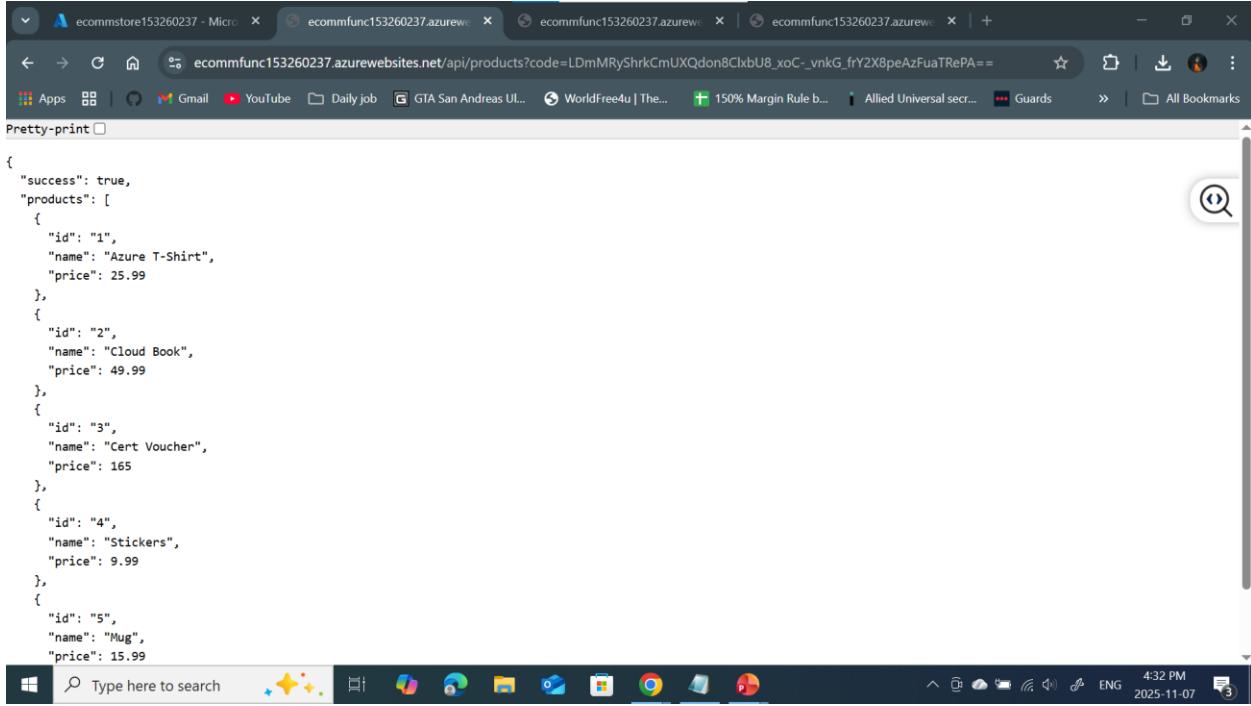
The browser's taskbar at the bottom shows various pinned icons and the system tray on the right indicates the date and time as 2025-11-07 at 4:33 PM.

Process Order terminal screenshot



```
{ "success": true,
  "order": {
    "order_id": "ae2af6a4-bebe-4fb7-8ab1-d332ce67b76d",
    "product_id": "2",
    "quantity": 3,
    "total": 169.47,
    "customer": "Amit Kumar",
    "created": "2025-11-07T23:36:37.405656"
  }
}odl_user [ ~ ]$ curl -X POST "https://ecommfunc153260237.azurewebsites.net/api/orders/ae2af6a4-bebe-4fb7-8ab1-d332ce67b76d/process?code=LdmMRyShkCMUXQdon8ClxbU8_xoC-_vnkG_fry2X8peAzFuaTRePA==" \
-H "Content-Type: application/json"
{
  "success": true,
  "result": {
    "order_id": "ae2af6a4-bebe-4fb7-8ab1-d332ce67b76d",
    "status": "processed",
    "payment": "confirmed",
    "tracking": "TRACK419957",
    "delivery": "2025-11-12"
  }
}odl_user [ ~ ]$
```

Browser Testing Results



```
{  
  "success": true,  
  "products": [  
    {  
      "id": "1",  
      "name": "Azure T-Shirt",  
      "price": 25.99  
    },  
    {  
      "id": "2",  
      "name": "Cloud Book",  
      "price": 49.99  
    },  
    {  
      "id": "3",  
      "name": "Cert Voucher",  
      "price": 165  
    },  
    {  
      "id": "4",  
      "name": "Stickers",  
      "price": 9.99  
    },  
    {  
      "id": "5",  
      "name": "Mug",  
      "price": 15.99  
    }  
  ]  
}
```

Terminal Testing

The screenshot shows a Microsoft Azure Cloud Shell window with four tabs open, all titled 'ecommmfunc153260237.azurewebsites.net'. The active tab displays a terminal session with the following command and its output:

```
odl_user [ ~ ]$ curl -X POST "https://ecommmfunc153260237.azurewebsites.net/api/orders?code=LdmMRyShrkCmUXQdon8ClxbU8_xoC_-vnkG_frY2X8peAzFuaTRePA==" \
-H "Content-Type: application/json" \
-d '{
  "product_id": "2",
  "quantity": 3,
  "customer_name": "Amit Kumar",
  "customer_email": "akumar250@myseneca.ca",
  "shipping_address": "Seneca College, Toronto"
}'
{
  "success": true,
  "order": {
    "order_id": "ae2af6a4-bede-4fb7-8ab1-d332ce67b76d",
    "product_id": "2",
    "quantity": 3,
    "total": 169.47,
    "customer": "Amit Kumar",
    "created": "2025-11-07T23:36:37.405656"
  }
}
odl_user [ ~ ]$curl -X POST "https://ecommmfunc153260237.azurewebsites.net/api/orders/ae2af6a4-bede-4fb7-8ab1-d332ce67b76d/process?code=LdmMRyShrkCmUXQdon8ClxbU8_xoC_-vnkG_frY2X8peAzFuaTRePA==" \
-H "Content-Type: application/json"
{
  "success": true
```

Youtube LINK :

<https://youtu.be/0qFh49-dCbE>

Github link :

<https://github.com/amitkumar628/CSP451-azure-e-commerce-api>