

Career Coach Assistant

An AI-powered career coach that provides personalized career advice, resume feedback,...

Output

Skill Gap Analysis

Skill Gap Analysis: John Doe's CV vs. Cloud Solutions Architect - Generative AI Position

Required Skill	Present in CV	Gap
Vector Databases & RAG Techniques	No	No mention of experience with vector databases, embeddings, or retrieval-augmented generation

Output

Training Recommendations

Personalized Training Recommendations from Career4All's Digital Catalog

1. Generative AI & LLM Knowledge

Recommended Training: "Foundations of Generative AI and Large Language Models" **Description:** This comprehensive...

Career Coach Assistant

An AI-powered career coach that provides...

Output

Skill Gap Analysis

Generating text as soon as Upload Job Profile and Upload Student CV are filled

Output

Training Recommendations

Generating text as soon as Skill Gap Analysis is filled

Output

Training Schedule

Generating text as soon as Training Recommendations and Skill Gap Analysis are filled

Run

Skill Gap Analysis: John Doe's CV vs. Cloud Solutions Architect - Generative AI Position

| Required Skill | Present in CV | Gap Analysis |

----- ----- -----
Generative AI & LLM Knowledge ✗ No Major gap - CV shows no experience with Generative AI, LLMs, or frameworks like TensorFlow, PyTorch, Hugging Face, or LangChain
Advanced Cloud Architecture Partial CV mentions "AWS Certified Cloud Practitioner" but job requires 5+ years of cloud architecture experience
AI/ML Services Experience ✗ No No mention of experience with specific AI/ML cloud services like AWS Bedrock, SageMaker, etc.
Programming in Python/Java/Scala Unclear CV mentions "Software Development" but doesn't specify languages or AI-related programming experience
Vector Databases & RAG Techniques ✗ No No mention of experience with vector databases, embeddings, or retrieval-augmented generation

Personalized Training Recommendations from Career4All's Digital Catalog

1. Generative AI & LLM Knowledge

****Recommended Training:**** "Foundations of Generative AI and Large Language Models"

****Description:**** This comprehensive 8-week course introduces the fundamentals of Generative AI, covering LLM architectures, prompt engineering techniques, and hands-on experience with frameworks like PyTorch, TensorFlow, and Hugging Face.

****Expected Outcomes:**** Ability to understand LLM architectures, implement basic generative models, and utilize key frameworks for AI development projects.

2. Advanced Cloud Architecture

****Recommended Training:**** "AWS Solutions Architect Professional Certification Path"

****Description:**** Building on your AWS Cloud Practitioner certification, this advanced track provides in-depth knowledge of complex cloud architectures, high-availability designs, and enterprise-scale implementations.

****Expected Outcomes:**** Enhanced cloud architecture skills, ability to design complex multiservice solutions, and preparation for the AWS Solutions Architect Professional certification.

3. AI/ML Services Experience

****Recommended Training:**** "Practical AI/ML on AWS: From SageMaker to Bedrock"

****Description:**** Hands-on workshop series focused specifically on AWS AI/ML services

including SageMaker, Bedrock, Comprehend, and Rekognition with real-world implementation scenarios.

****Expected Outcomes:**** Proficiency in deploying and managing AI/ML workloads on AWS, ability to select appropriate services for different use cases, and experience with model deployment pipelines.

4. Programming in Python/Java/Scala

****Recommended Training:**** "Python for AI and Machine Learning Development"

****Description:**** Intensive programming course focusing on Python specifically for AI/ML applications, covering data manipulation, model integration, and optimization techniques.

****Expected Outcomes:**** Strong Python programming skills with AI/ML focus, ability to implement and customize AI models, and proficiency in relevant libraries like NumPy, Pandas, and scikit-learn.

5. Vector Databases & RAG Techniques

****Recommended Training:**** "Advanced RAG Systems: Vector Databases and Embedding Techniques"

****Description:**** Specialized workshop on vector databases, embedding models, and retrieval-augmented generation techniques for enhancing LLM capabilities with external knowledge.

****Expected Outcomes:**** Ability to implement RAG systems, work with vector databases like Pinecone or Weaviate, and optimize embedding models for specific use cases.

The screenshot shows the 'Career Coach Assistant' application running in a web browser. The interface includes a sidebar with 'Apps' (recently used: 'Career Coach Assistant'), 'Feedback', 'Info', and 'Log out'. The main content area displays a 'Training Schedule' and 'Training Recommendations for Artificial Intelligence Skills'. A table lists recommended courses for skill gaps:

Skill Gap	Recommended Course	Description	Expected Outcomes
Generative AI & LLM Experience	Artificial Intelligence (CSD311)	Comprehensive course covering AI fundamentals, problem-solving techniques, and knowledge representation	Ability to develop software systems using Prolog and create expert systems
Advanced Cloud Architecture	Special Topics in Systems (CSD483)	Course focusing on special topics and research problems in emerging areas	Students will learn new and recent trends in systems architecture
AI/ML Programming Skills	Artificial Intelligence (CSD311)	Covers machine learning concepts including inductive and deductive learning, neural networks, and support vector machines	Skills to develop neural network and fuzzy systems
Vector Databases & RAG Techniques	Natural Language Processing	Includes vector semantics, embeddings, and neural language models	Understanding of vector semantics and ability to develop NLP-based AI systems
MLOps & AI Model Deployment	Special Topics in AI	Run Trends in Reset	Students will learn current approaches in AI deployment and applications

Amazon Q Business > Applications > CareerCoachAssistant > Data sources > Uploaded files

Uploaded files Info

Uploaded files (5)

<input type="checkbox"/>	Document name	Upload time	Upload status	Status details
<input type="checkbox"/>	Medicine-Course-Catalog-C.pdf	Nov 06, 2025, 9:51 PM GMT+3	Indexed	Ready to use as a source
<input type="checkbox"/>	Medicine-Course-Catalog-A.pdf	Nov 06, 2025, 9:29 PM GMT+3	Indexed	Ready to use as a source
<input type="checkbox"/>	Medicine-Course-Catalog-B.pdf	Nov 06, 2025, 9:28 PM GMT+3	Indexed	Ready to use as a source
<input type="checkbox"/>	Additional-Course-Catalog-B.pdf	Nov 06, 2025, 9:21 PM GMT+3	Indexed	Ready to use as a source
<input type="checkbox"/>	Additional-Course-Catalog-A.pdf	Nov 06, 2025, 9:21 PM GMT+3	Indexed	Ready to use as a source

Actions

- Plugins Updated

Insights

- Amazon Q Business insights New
- Amazon Q Apps insights New

Delete files **Add files**

Screenshot of the AWS Amazon S3 console showing the General purpose buckets page.

The top navigation bar includes the AWS logo, a search bar, and account information: Account ID: 0542-0589-0278, vocabs/user:4410879-fb6d7fea-2584-4f9f-9b10-c... United States (Oregon) [Alt+S].

The left sidebar menu includes:

- Amazon S3
 - General purpose buckets
 - Directory buckets
 - Table buckets
 - Vector buckets
 - Access Grants
 - Access Points (General Purpose Buckets, FSx file systems)
 - Access Points (Directory Buckets)
 - Object Lambda Access Points
 - Multi-Region Access Points
 - Batch Operations
 - IAM Access Analyzer for S3
- Block Public Access settings for this account
- ▼ Storage Lens
 - Dashboards
 - Storage Lens groups
 - AWS Organizations settings
- Feature spotlight [11]

The main content area displays the "General purpose buckets (1)" section. It shows a table with one item:

Name	AWS Region	Creation date
meshal-ahmad-buckets	US West (Oregon) us-west-2	November 14, 2025, 22:11:59 (UTC+03:00)

Actions available for the bucket include: Copy ARN, Empty, Delete, and Create bucket.

On the right side, there are two informational boxes:

- Account snapshot** [info] (Updated daily)
View dashboard
Storage Lens provides visibility into storage usage and activity trends.
- External access summary - new** [info] (Updated daily)
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

Footer links: CloudShell, Feedback, © 2025, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, Cookie preferences.

Amazon S3 > Buckets > meshal-ahmad-buckets

Amazon S3

General purpose buckets

- Directory buckets
- Table buckets
- Vector buckets
- Access Grants
- Access Points (General Purpose Buckets, FSx file systems)
- Access Points (Directory Buckets)
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

meshal-ahmad-buckets Info

Objects (2) C Copy S3 URI Copy URL Download Open L Delete Actions Create folder Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Last modified	Size	Storage class
course_access_acl.json	json	November 15, 2025, 00:51:34 (UTC+03:00)	994.0 B	Standard
Data/	Folder			

aws Search [Alt+S] Account ID: 0542-0589-0278 voblabs/user4410879=fb6d7fea-2584-4f9f-9b10-c...

Amazon S3 > Buckets > meshal-ahmad-buckets > Data/

Amazon S3

General purpose buckets

- Directory buckets
- Table buckets
- Vector buckets
- Access Grants
- Access Points (General Purpose Buckets, FSx file systems)
- Access Points (Directory Buckets)
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

▼ Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

Data/

Objects (3) C Copy S3 URI Copy URL Download Open L Delete Actions Create folder Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Last modified	Size	Storage class
Additional-Course-Catalog-A.pdf	pdf	November 14, 2025, 22:16:46 (UTC+03:00)	128.2 KB	Standard
Additional-Course-Catalog-B.pdf	pdf	November 14, 2025, 22:16:48 (UTC+03:00)	780.3 KB	Standard
Medicine/	Folder			

aws | Search [Alt+S] | United States (Oregon) | Account ID: 0542-0589-0278
vocabs/iser4410879-fb6d7fea-2584-4f9f-9b10-c...

Amazon S3 > Buckets > meshal-ahmad-buckets > Data/ > Medicine/

Medicine/

Objects Properties

Objects (3)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Name	Type	Last modified	Size	Storage class
Medicine-Course-Catalog-A.pdf	pdf	November 14, 2025, 22:17:45 (UTC+03:00)	12.6 MB	Standard
Medicine-Course-Catalog-B.pdf	pdf	November 14, 2025, 22:17:51 (UTC+03:00)	8.0 MB	Standard
Medicine-Course-Catalog-C.pdf	pdf	November 14, 2025, 22:17:56 (UTC+03:00)	7.3 MB	Standard

Actions Create folder Upload

Find objects by prefix

Block Public Access settings for this account

Storage Lens

Dashboards Storage Lens groups AWS Organizations settings

Feature spotlight 11

```
[{"keyPrefix": "s3://meshal-ahmad-buckets/Data/Medicine/", "aclEntries": [{"Name": "career.coach.two", "Type": "USER", "Access": "ALLOW"}, {"Name": "career.coach.one", "Type": "USER", "Access": "DENY"}]}, {"keyPrefix": "s3://meshal-ahmad-buckets/Data/Additional-Course-Catalog-A.pdf", "aclEntries": [{"Name": "career.coach.one", "Type": "USER", "Access": "ALLOW"}, {"Name": "career.coach.two", "Type": "USER", "Access": "ALLOW"}]}]
```

```

"keyPrefix": "s3://meshal-ahmad-buckets/Data/Additional-Course-
Catalog-B.pdf",
"aclEntries": [
{
  "Name": "career.coach.one",
  "Type": "USER",
  "Access": "ALLOW"
},
{
  "Name": "career.coach.two",
  "Type": "USER",
  "Access": "ALLOW"
}
]
]

```

j

Amazon Q Business > Applications > CareerCoachAssistant > Data sources > s3-course-catalogs > Update S3

Data source location

This AWS account Other AWS account

Sync scope [Info](#)

Enter the data source location [Info](#)
Locate the S3 bucket where your data is stored.

[Browse S3](#)

Maximum single file size [Info](#)
Set the maximum file size for crawling. Files with size up to 10,240 MB for video files, 2,048 MB for audio files, 500 MB for PDF/Word/PowerPoint documents, and 50 MB for all other supported documents can get indexed. Note that regardless of file type, any file with extracted text exceeding 30 MB won't be indexed. [Learn more about enabling video and audio](#).

Access control list (ACL) configuration file location - optional [Info](#)
Locate the ACL configuration file.

[Browse S3](#)

Metadata files folder location - optional [Info](#)
Locate the folder that has your metadata JSON.

Filter patterns - optional
Add a pattern to include only certain folders, or to exclude folders, file types or specific files in your repository. All paths are relative to the data source location S3 bucket. You can have a combined total of 100 patterns.

Multi-media content configuration - optional

x

n
j

NNNN

The screenshot shows the Amazon Q Business interface. At the top, there's a navigation bar with links like 'Amazon Q Business', 'Applications', 'CareerCoachAssistant', 'Amazon Q Apps', and 'Amazon Q Apps Settings'. The main area is titled 'Edit custom labels' under 'Custom labels'. A list of labels is shown with their corresponding colors and remove buttons:

Label	Color	Action
AI Powered	Blue	Remove
Career Coaching	Orange	Remove
Legal	Grey	Remove
Marketing	Pink	Remove
Finance	Fuchsia	Remove
HR	Black	Remove
General	Orange	Remove
Support	Cyan	Remove

Below this is a button 'Add new label' and a note: 'You can add up to 2 more label(s.)'. At the bottom right are 'Cancel' and 'Save' buttons.

On the left, a sidebar menu includes 'Chat', 'Library' (selected), 'Apps', 'Feedback', 'Info', and 'Log out'.

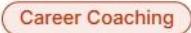
The main content area is titled 'Q Business Library' with the sub-headline 'Explore all that you can do with Q Apps and plugins to increase your efficiency'. It features tabs for 'Q Apps' (selected) and 'Plugins'. Below these are several filter buttons: 'All Apps' (blue), 'AI Powered', 'Career Coaching' (orange), 'Legal', 'Marketing', 'Finance', 'HR', 'General', and 'Support'. A specific app card for 'Career Coach Assistant' is displayed, showing it's AI-powered, published on November 13, 2025, and provides personalized career advice, resume feedback, etc. An 'Open' button is at the bottom of the card.

J

Edit categories

X

Preview

Career Coach Assistant

1 user | Published on November 15, 2025

An AI-powered career coach that provides personalized career advice, resume feedback, interview preparation,...

Categories

- AI Powered
- Career Coaching
- Legal
- Marketing
- Finance
- HR
- General
- Support



a

The screenshot shows the Amazon Q Business interface. On the left, there's a sidebar with sections like 'Amazon Q Business', 'Enhancements', 'Actions', and 'Insights'. The main content area is titled 'Amazon Q Apps' and displays a table of 'Custom labels' with their respective counts of Amazon Q Apps. The table includes rows for AI Powered, Career Coaching, Legal, Marketing, Finance, HR, General, and Support.

Label	Count of Amazon Q Apps
AI Powered	1
Career Coaching	1
Legal	0
Marketing	0
Finance	0
HR	1
General	0
Support	0

Custom labels
Library display labels categorize published Amazon Q Apps (e.g., Finance, Marketing, HR). Labels are used to tag published Amazon Q Apps and can be filtered in the web experience library.
Edit

View library in web experience

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

K

Searched for "Search" [Alt+S]

United States (Oregon) Account ID: 0542-0589-0278
voclabs/user4410879=fb6d7fea-2584-4f9f-9b10-c...

Amazon Q Business > Applications > CareerCoachAssistant > Amazon Q Apps

Successfully updated custom labels.

Successfully updated state of Career Coach Assistant to Verified

Amazon Q Apps Info

View library in web experience

Apps Settings

Published Amazon Q Apps in library (1/1) Info

Update the state to Verified to endorse that they have been validated for quality.

Search Amazon Q Apps

Remove from library Update state

Name	Description	Creation time	Creator	State
Career Coach Assistant	An AI-powered career coach that provi...	Oct 10, 2025, 8:13 PM GMT+3	Career Coach Two	Verified

Actions

Plugins Updated

Insights

Amazon Q Business insights New

Amazon Q Apps insights New

Amazon Q Business > Applications > CareerCoachAssistant > Data sources > s3-course-catalogs

s3-course-catalogs Info

Data source details

Name: s3-course-catalogs	Status: Active	Last sync status: Successful - service is operating normally
Description: S3 bucket containing training course catalogs for career recommendations	Type: S3V2	Last sync time: Nov 15, 2025, 12:52 AM GMT+3
Data source ID: 7f55ce5b-e80f-4b3e-9b02-fff90255198e	IAM role ARN: arn:aws:iam::054205890278:role/QBusinessDataRole	Current sync state: Idle

Sync history (5)

Status / Summary	Start time	End time	Total items scanned	Failed	Logs	Actions
Completed	Nov 15, 2025, 12:52 AM GMT+3	Nov 15, 2025, 12:54 AM GMT+3	0	0	View report	Service is operating normally
Completed	Nov 15, 2025, 12:18 AM GMT+3	Nov 15, 2025, 12:21 AM GMT+3	0	0	View report	Service is operating normally
Completed	Nov 15, 2025, 12:13 AM GMT+3	Nov 15, 2025, 12:15 AM GMT+3	0	0	View report	Service is operating normally
Completed	Nov 14, 2025, 10:30 PM GMT+3	Nov 14, 2025, 10:34 PM GMT+3	0	0	View report	Service is operating normally

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Career Coach Assistant

Principles of Medicine are also listed. ⓘ Would you like me to focus on courses from a specific medical school, program level, or subject area within the catalog?

Sources Copy Share

What are the prerequisites for MED 602: Genetics & Development? Upvote Downvote Copy Share

No answer is found. Upvote Downvote Copy Share

Company knowledge **General knowledge** ⓘ

Ask a followup question Send

Career Coach Assistant

What is the academic calendar for 2023-25 in Medicine-course-catalog-A? Upvote Downvote Copy Share

The academic calendar for 2023-2025 includes detailed schedules for each semester. For Spring 2023, orientation and registration begins on January 2, classes start January 3, with MD graduations on January 6 and March 17, and final exams from April 12-14. ⓘ Summer 2023 begins with orientation on May 1, classes on May 2, and concludes with final exams August 9-11. ⓘ Fall 2023 starts with orientation on September 4, classes on September 5, and ends with final exams December 13-15. ⓘ

For 2024, Spring semester orientation begins January 8, classes start January 9, with final exams April 17-19. ⓘ Summer 2024 orientation is on May 6, classes begin May 7, and final exams run August 14-16. ⓘ Fall 2024 starts with orientation on September 2, classes on September 3, and concludes with final exams December 11-13. ⓘ

For 2025, Spring semester begins with orientation on January 6, classes on January 7, and ends with final exams April 16-18. ⓘ Summer 2025 orientation starts May 5, classes begin May 6, and

Company knowledge **General knowledge** ⓘ

Ask a followup question Send

Plugins Advanced search

Amazon Q Business uses generative AI. You may need to verify responses for accuracy. [AWS Responsible AI Policy](#) ⓘ

