





Supercharge your productivity with GenAl on AWS

Vivek Raja P S VP Product, Nexstem AWS ML Hero | AWS UG Madurai Founder & Lead



What I do...

- VP of Product at Nexstem (YourStory Tech30 startup winner!)
- AWS ML Hero (Youngest ever!)
- Recipient of Invent & Simply Award (at AWS Community Leaders Summit 2022!)
- Founder and Lead at AWS User Group Madurai (Nominated as Best UG 2022 & 2023!)
- Multi-cloud certified | Guinness World Record Holder (Thanks to AWS!)
- Published many research papers (recent one at IIM-B!) in AI and hold two patents
- 80+ Hackathon Winner & Participant and Jury
- Mentor | Blogger | Content Creator
- Moviebuff | Go-kart racing enthusiast | Plays guitar occasionally | Professional reels sender



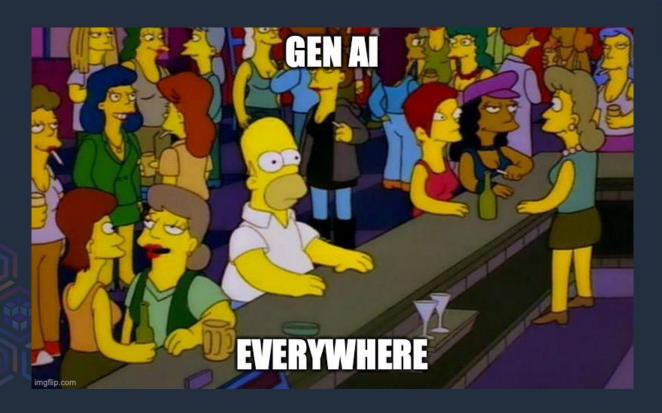
















Agenda is fairly simple...

- Amazon PartyRock for Newbies.. (or anyone!)
- Amazon CodeWhisperer for Devs
- Amazon Q for Business (and beyond!)





Gotta make the last session interesting



Imagine a generative AI App for your own use case









PUBLISH YOURARP









PartyRock My Apps Discover

PartyRock

Everyone can build Al apps.

Haiku Creator

Weird Tour Guide

Podcast Generator

Build your own app

App builder

Generate a 5-7-5 syllable haiku poem and a visual image based on user input.



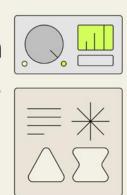


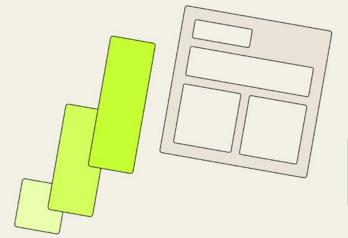




Access to powerful foundation models from Amazon Bedrock.

Amazon Bedrock is a fully managed service that makes foundation models (FMs) from Amazon and leading AI companies available on AWS. It is the easiest way to build and scale generative AI applications with foundation models. PartyRock provides builders with access to FMs from Amazon Bedrock in an intuitive and code-free app-building playground to learn the fundamentals of prompt engineering and generative AI.





Let's create a Gen Al app right away!



Now it's your chance to create Gen Al App and win exciting prizes from AWS



PRESENTS

AWS PartyRock Competition

Develop Generative AI Apps under one minute No Coding required! Free of cost!

Get Digital Badges for verified submission Stand a chance to win prize from AWS!



Register today!

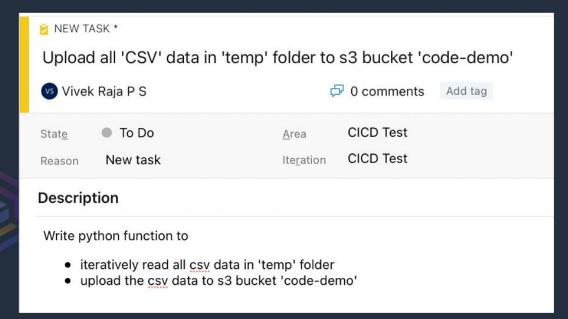
https://bit.ly/partyrockmdu





A day in developer life of Vivek....

I login into work and see a new task assigned...







A day in developer life of Vivek....

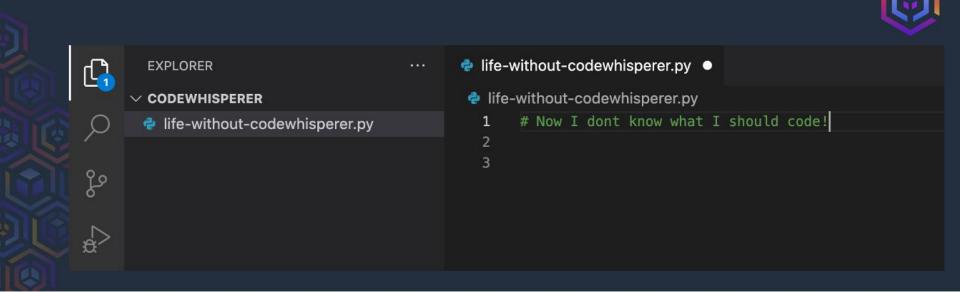


Time to nail the task.....



A day in developer life of Vivek....

I choose my favourite IDE – Its VSCode (no doubt!)





A day in developer life of Vivek....

I head over to Stackoverflow (like everyone else) to get the relevant code



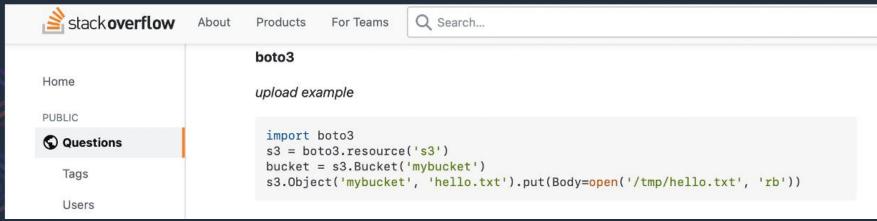




A day in developer life of Vivek....



I got the relevant piece of code!





A day in developer life of Vivek...

```
# I got the code from the Stackoverflow
     import boto3
     import os
     def upload_to_s3(file, bucket, objname):
         s3 = boto3.resource('s3')
         bucket = s3.Bucket(bucket)
         s3.Object(bucket, objname).put(Body=open(file, 'rb'))
     def csv_files_from_folder(folderpath):
         path = folderpath
         table_list = []
         for fil (variable) filename: str
              if filename.endswith('.csv'):
                  table_list.append(path + "\\" + filename)
          return table list
     files = csv_files_from_folder("tempfolder")
      for file in files:
         upload_to_s3(file, "codedemo", file)
27
```

1 2 3 4 5	# function	on to upload	csv data t	to s3 bucke	t	



Amazon CodeWhisperer is your ML Powered coding companion

- generates code recommendations based on their comments I and method names
- Powered by Machine Learning
- Real-time customized code recommendations for all your Java, Python, and JavaScript projects.
 - Empower developers to responsibly use artificial intelligence (AI) to create syntactically correct and secure applications.





But what if I had Amazon CodeWhisperer









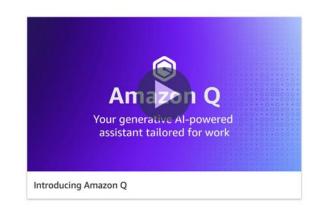
Before I introduce you to Amazon Codewhisperer...





Welcome to a new world of work with Amazon Q

Amazon Q can help you get fast, relevant answers to pressing questions, solve problems, generate content, and take actions using the data and expertise found in your company's information repositories, code, and enterprise systems. When you chat with Amazon Q, it provides immediate, relevant information and advice to help streamline tasks, speed decision-making, and help spark creativity and innovation at work.



Areas of expertise

Your business

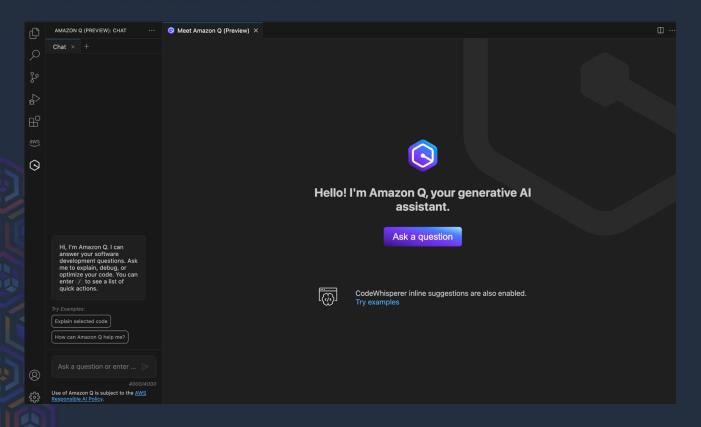
AWS

Amazon QuickSight

Amazon Connect

AWS Supply Chain

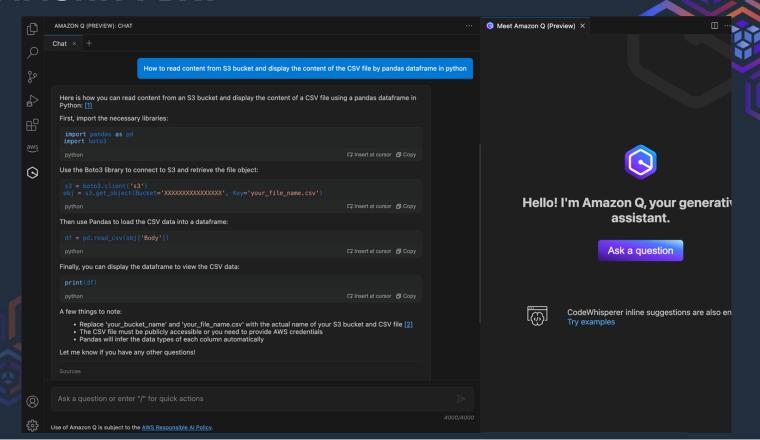






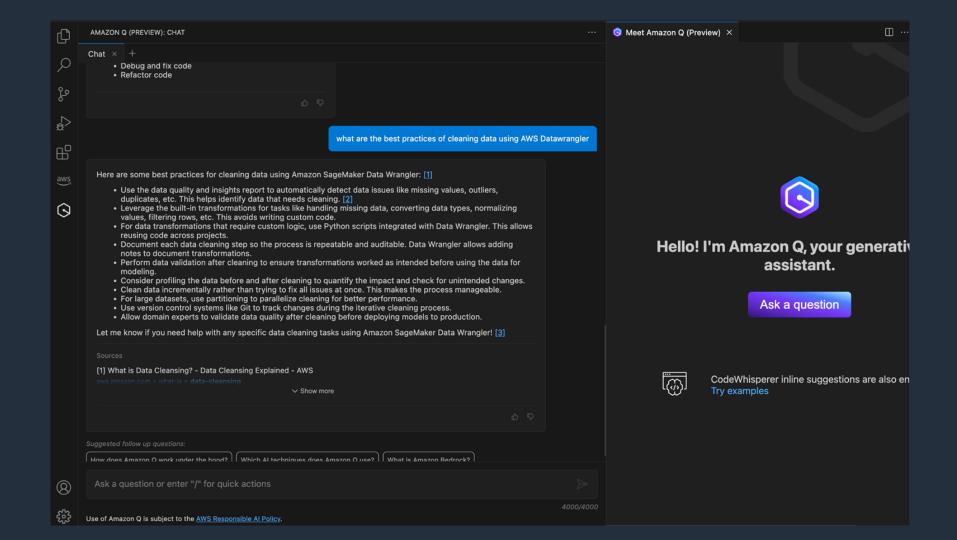
Available as part of AWS Toolkit extension





Amazon Q is not just your dev assistant but also ...

Also helps you with AWS and its best practices



Amazon Q is also your business assistant

Integrates with Amazon Quicksights and generates reports and views from just prompts!

Welcome to Amazon QuickSight Q

Ask your question and instantly get a visual response

Not familiar with Q?

- 1. Select a topic name from the Q bar. A topic represents a subject area that users can ask questions.
- 2. Type your questions about the topic in natural language.
- 3. Review answers for your question.

- 1 Select a Topic
- 2 Type a question
- 3 Review how your question was interpreted
- 4 Change chart type

Gen Al is not here to take over your jobs but to supercharge your productivity!

That's all folks!

Connect with me



