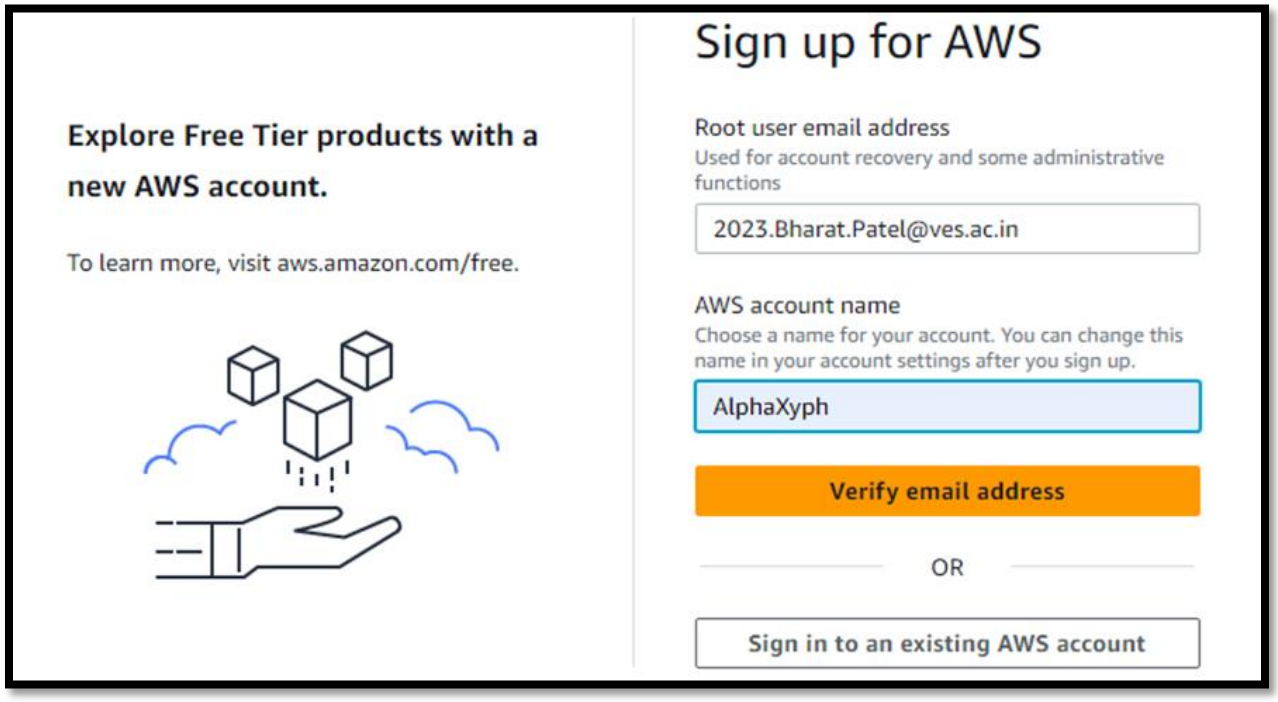
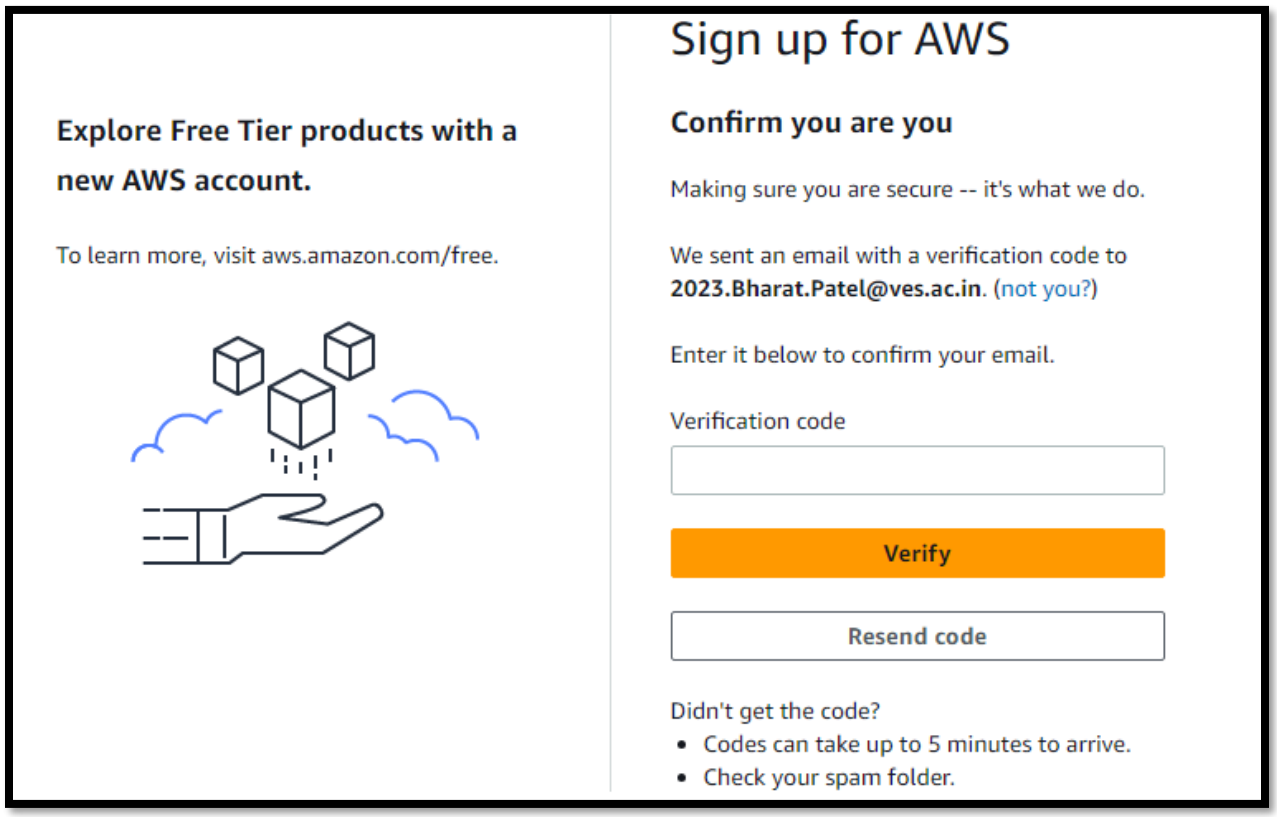
Name of Student : Bharat Suresh Patel		
Roll Number : B-35		**LAB Practical Number :** 01
Title of LAB Practical : To setup AWS account from start: Signup using free tier, billing alarm & Creating Iam user.		
DOP : 29-01-2024		**DOS :** 30-01-2024
CO Mapped : CO1	**PO Mapped :** PO1,PO2,PO3,PSO1, PSO2	**Signature :**

Steps for creating AWS Free Tier Account:

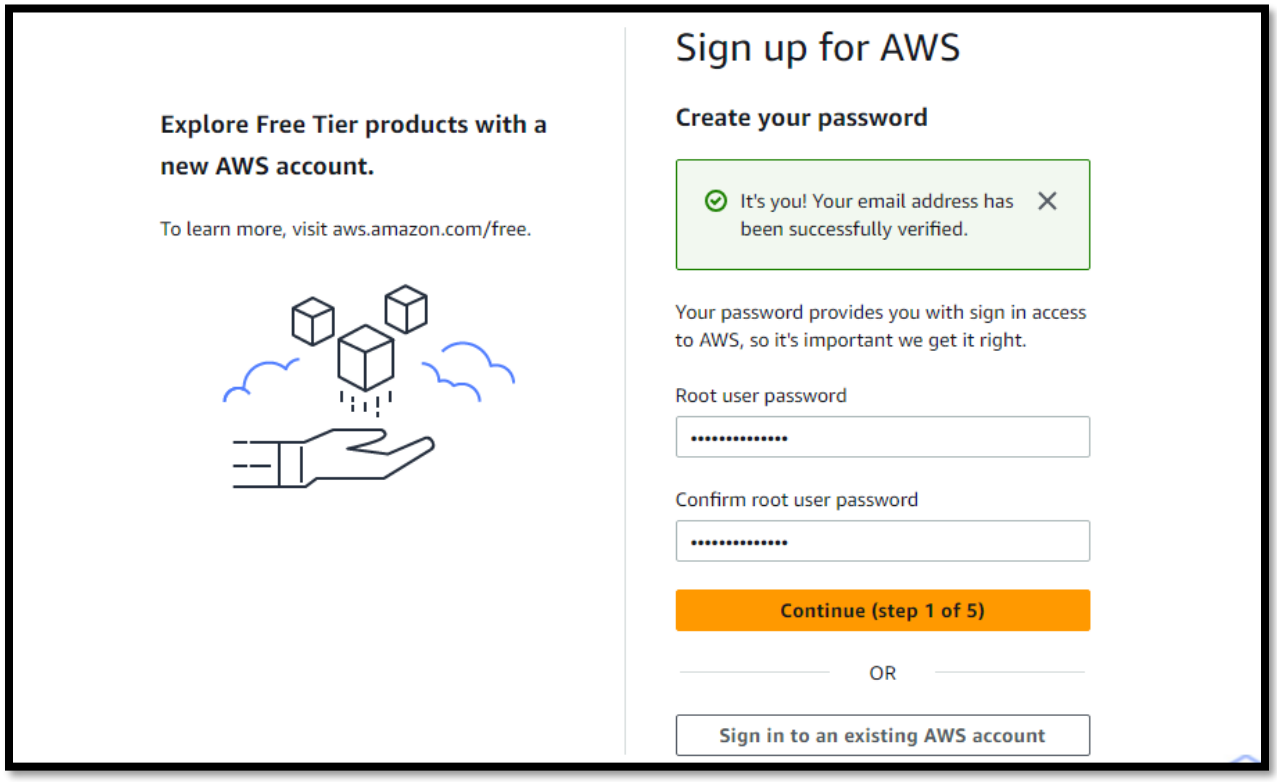
Enter your email and account name:



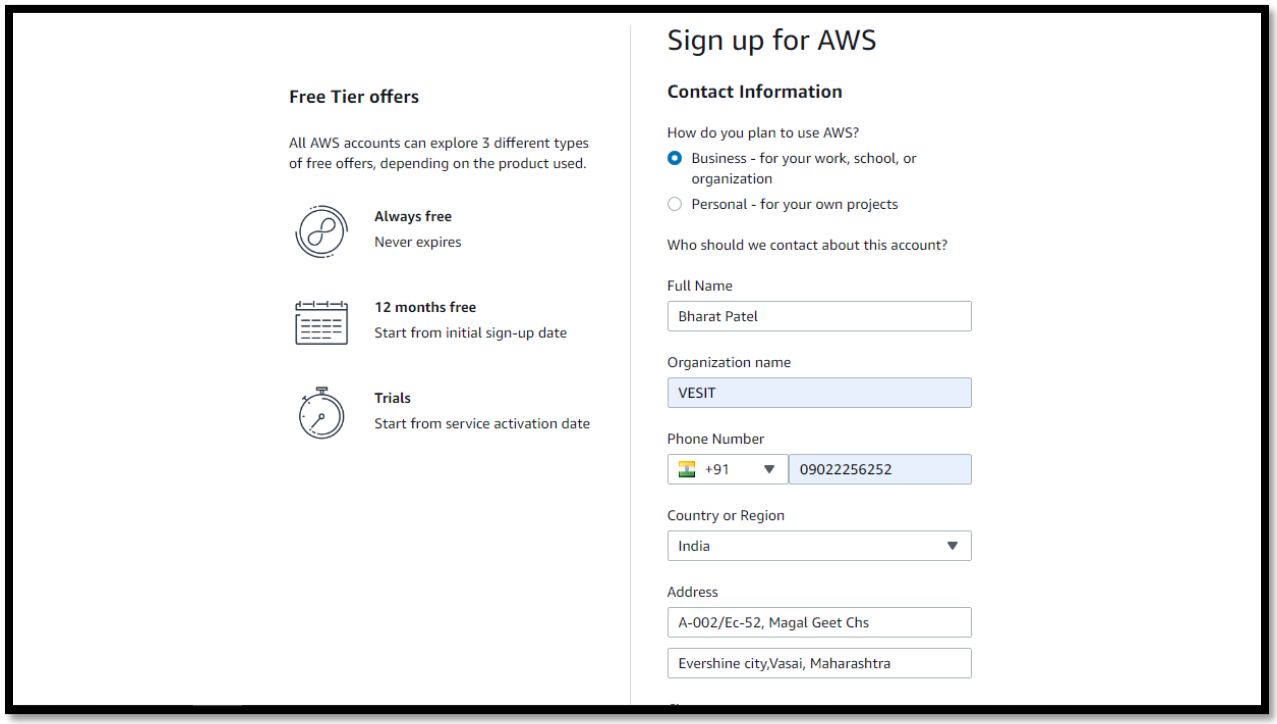
Verify your email id:



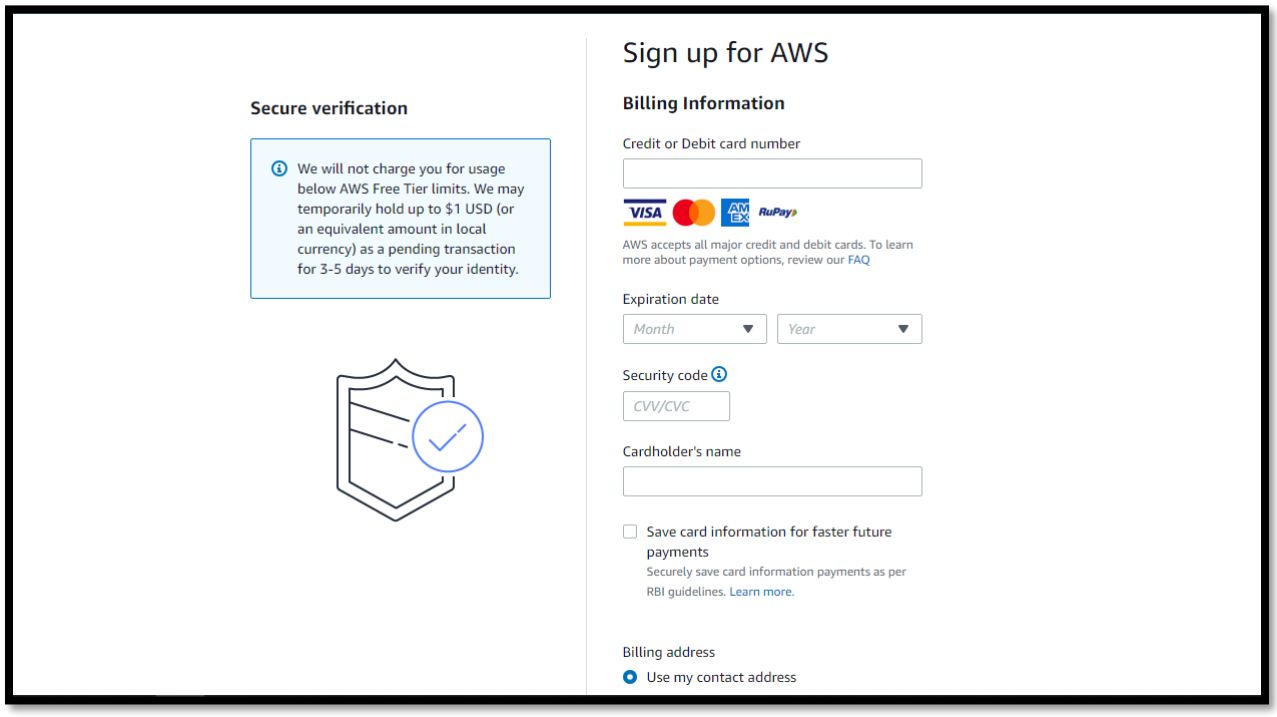
Create a password and continue:

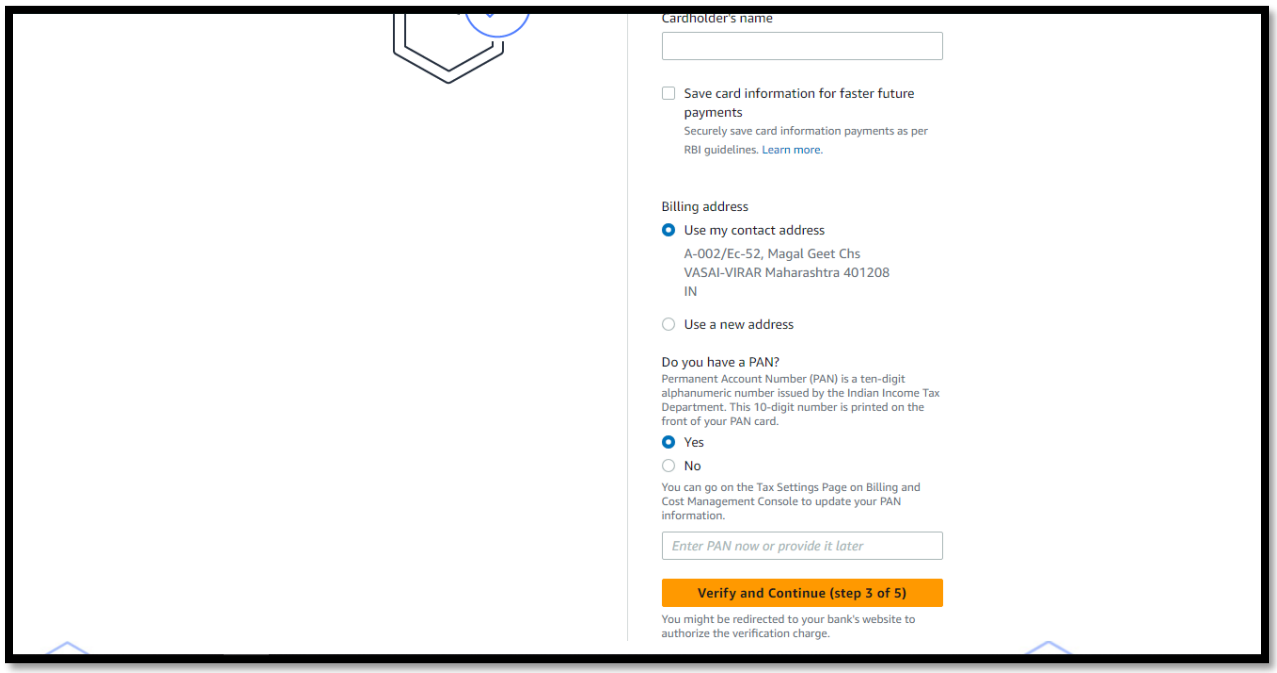


Enter your contact information and procced:

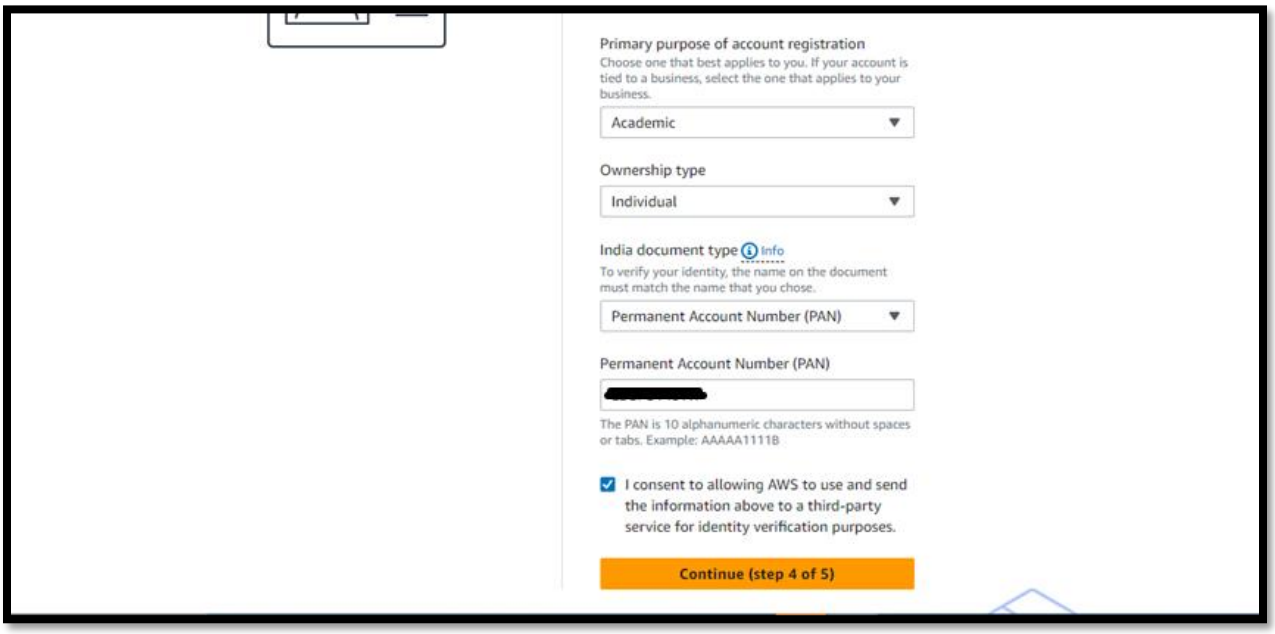


Enter billing information and Pan Card number then verify and continue:

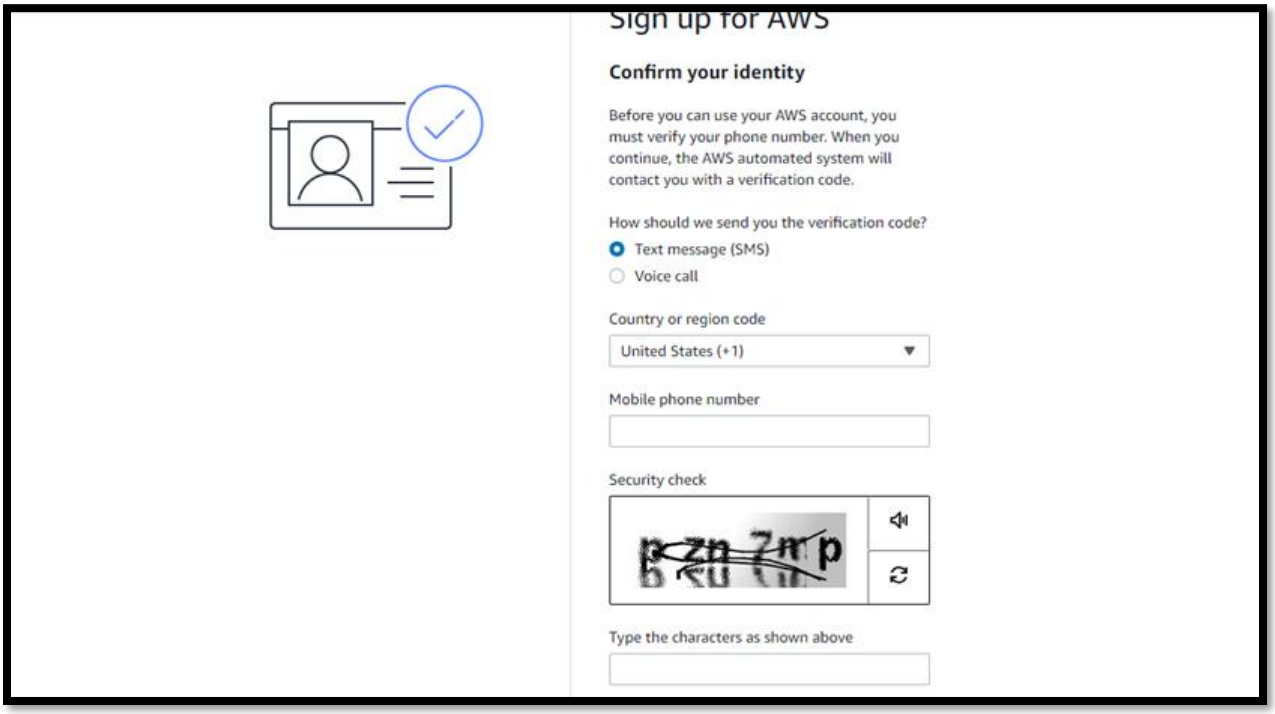




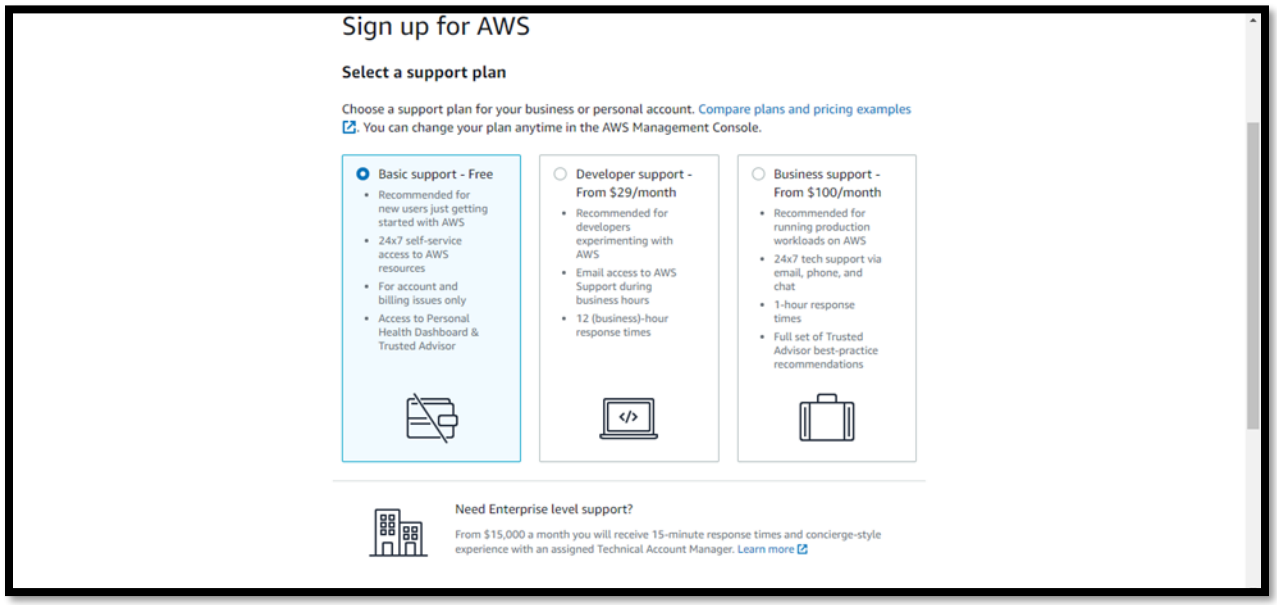
Enter purpose of account registration and PAN no (If you haven't added in previous step)



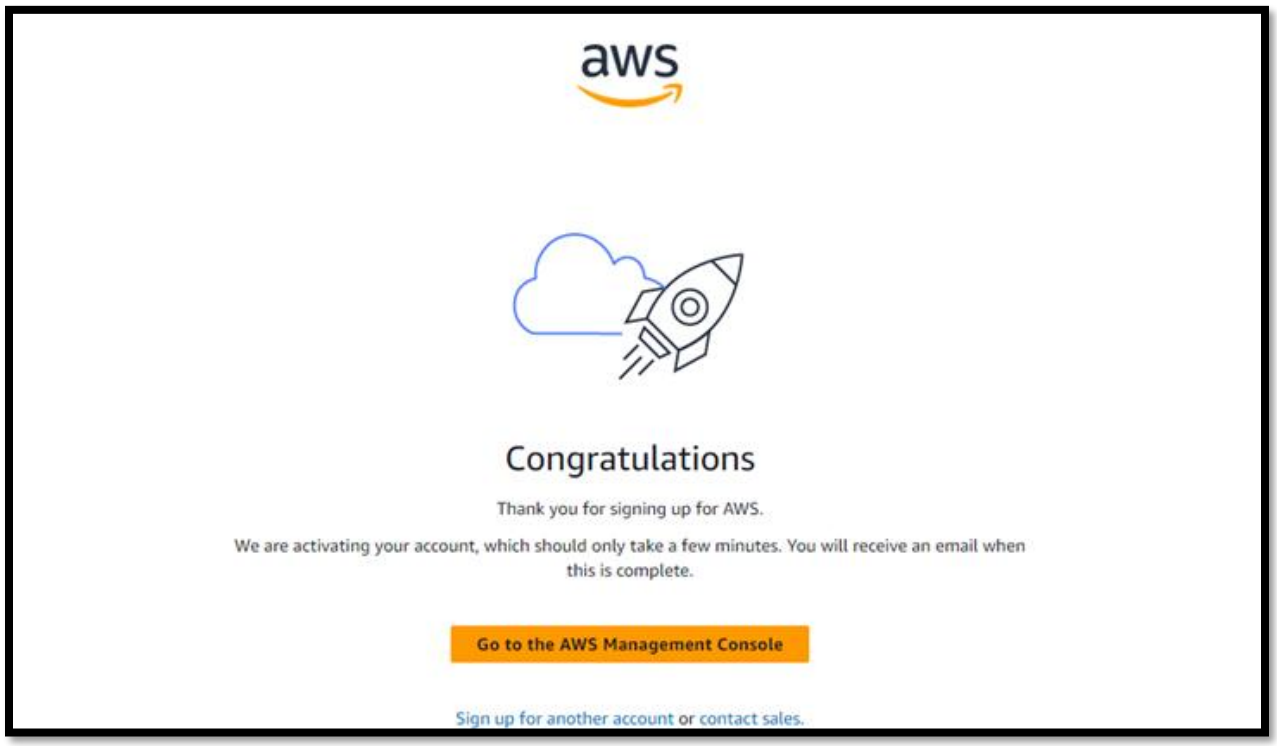
Verify your mobile no. and fill the captcha:



Choose free plan:

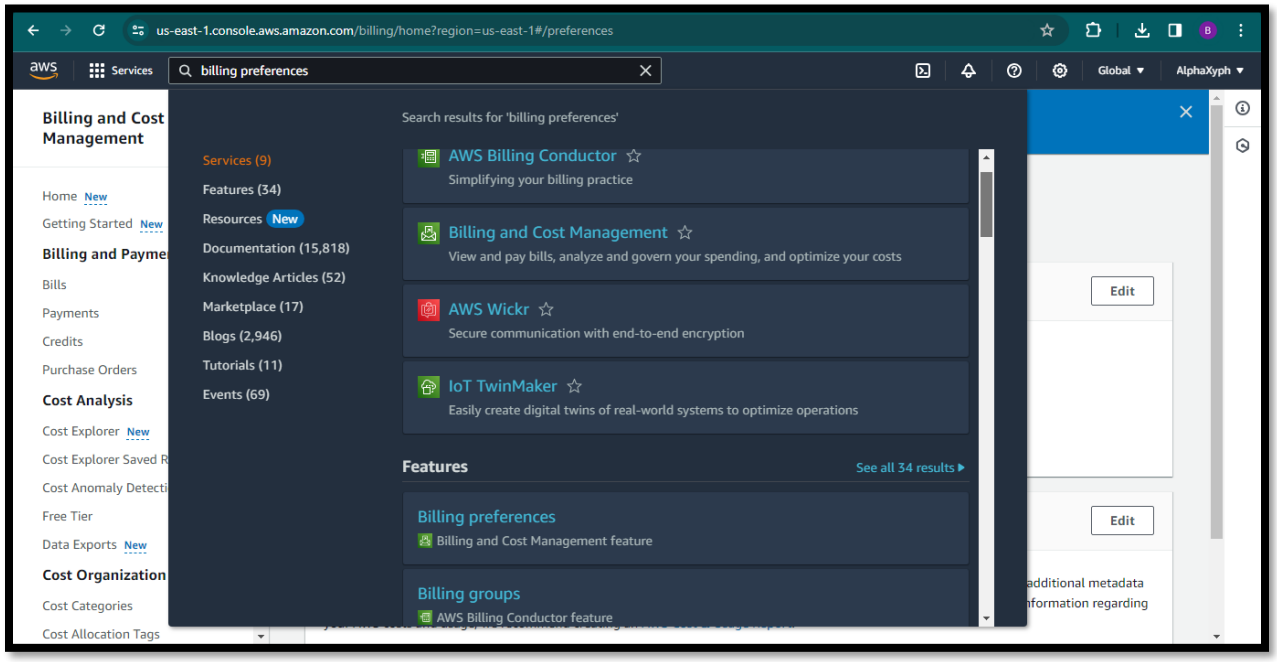


Your account has been created:

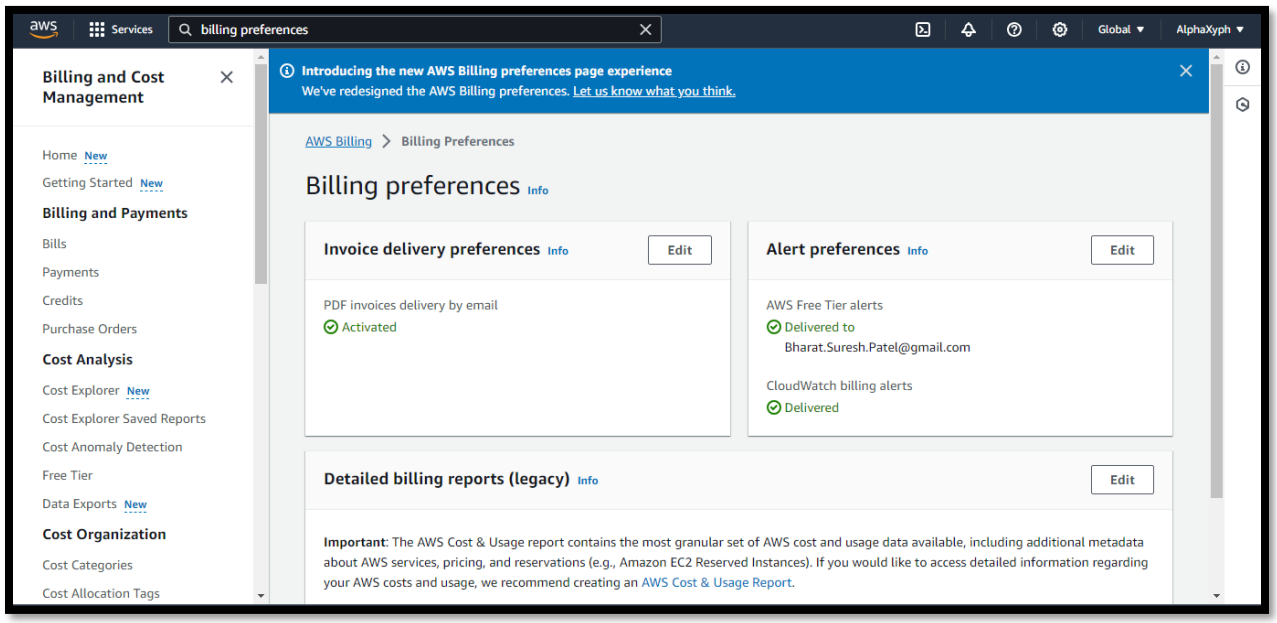


Steps for setting up billing preferences:

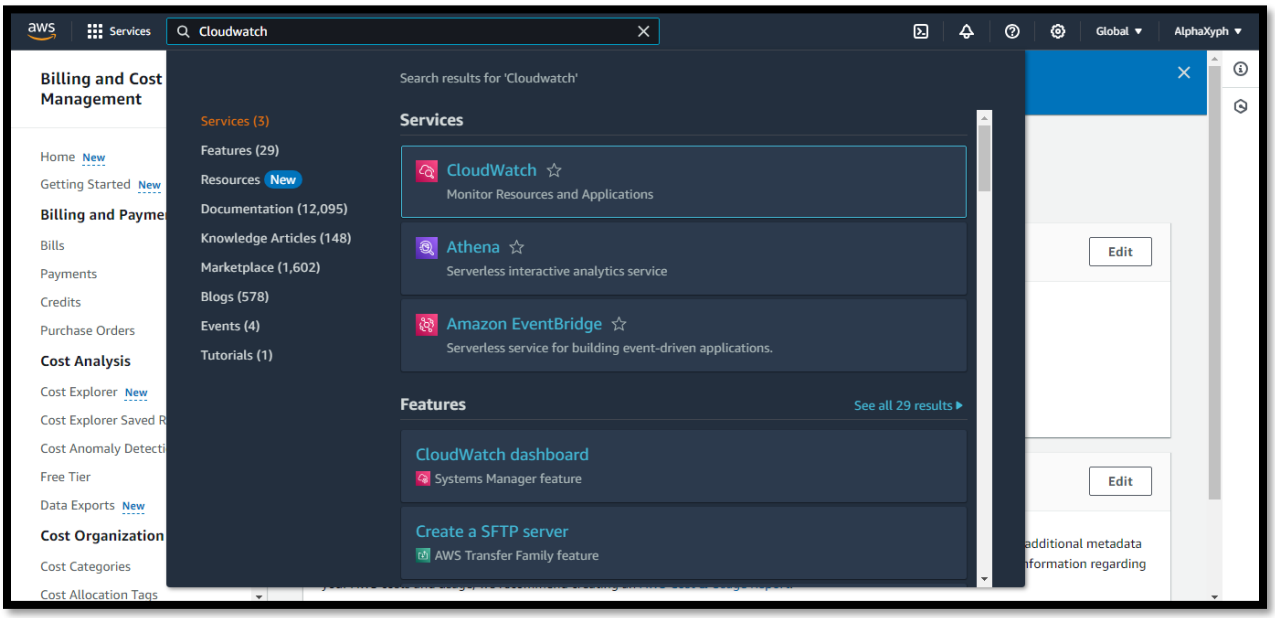
Search for billing preferences and click over it:

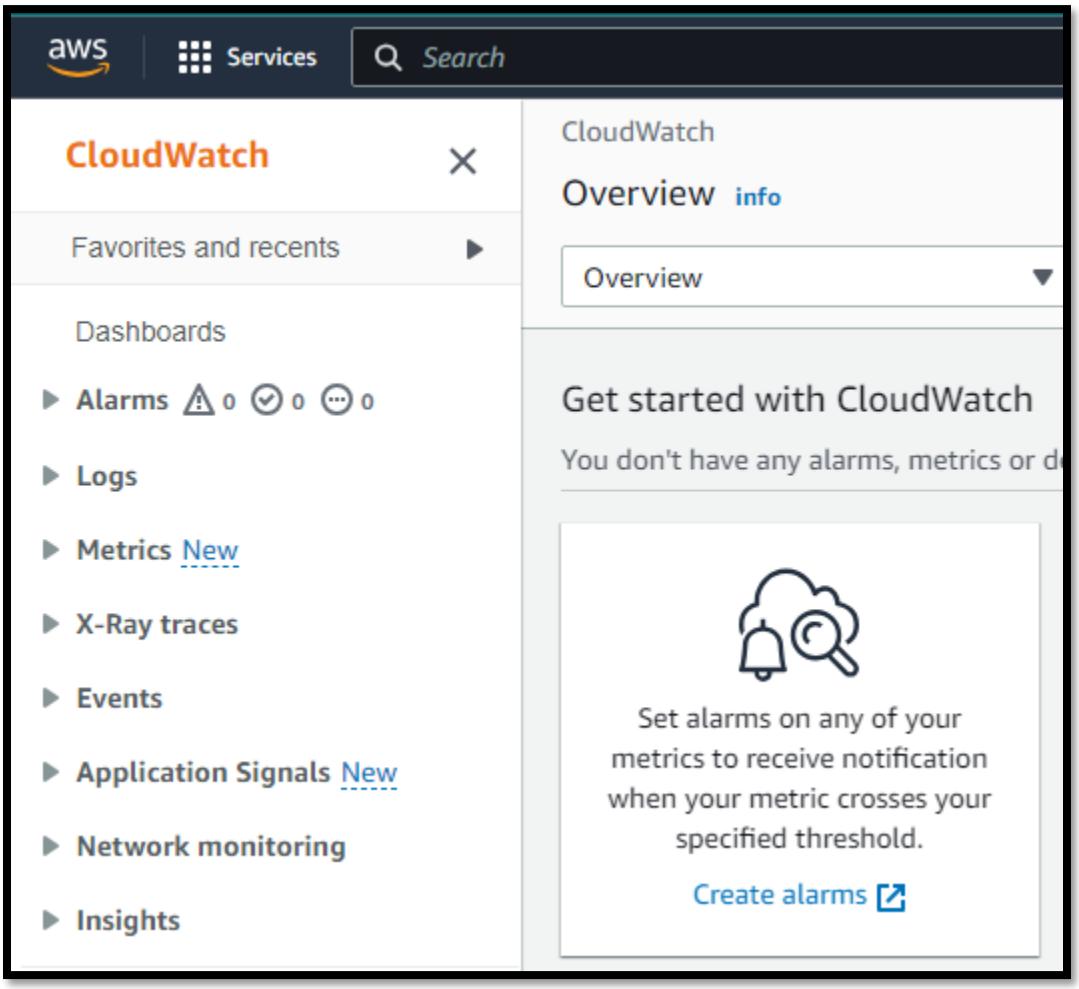


Edit and activate PDF invoices delivery, Free Tier alerts and CloudWatch:

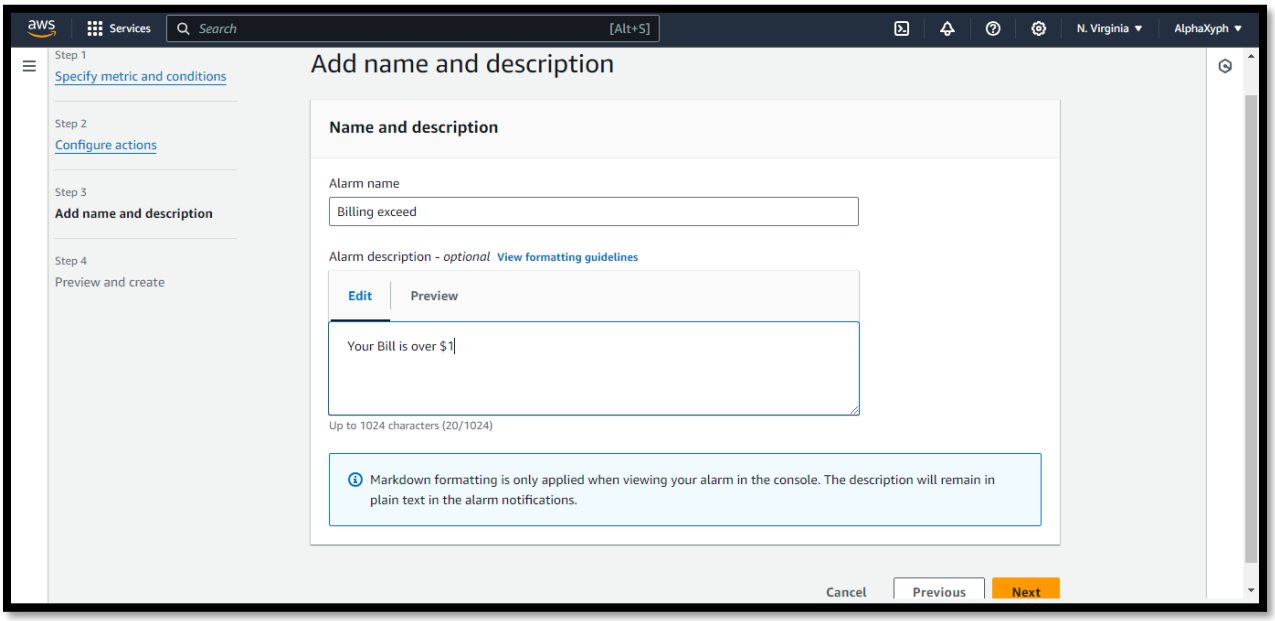


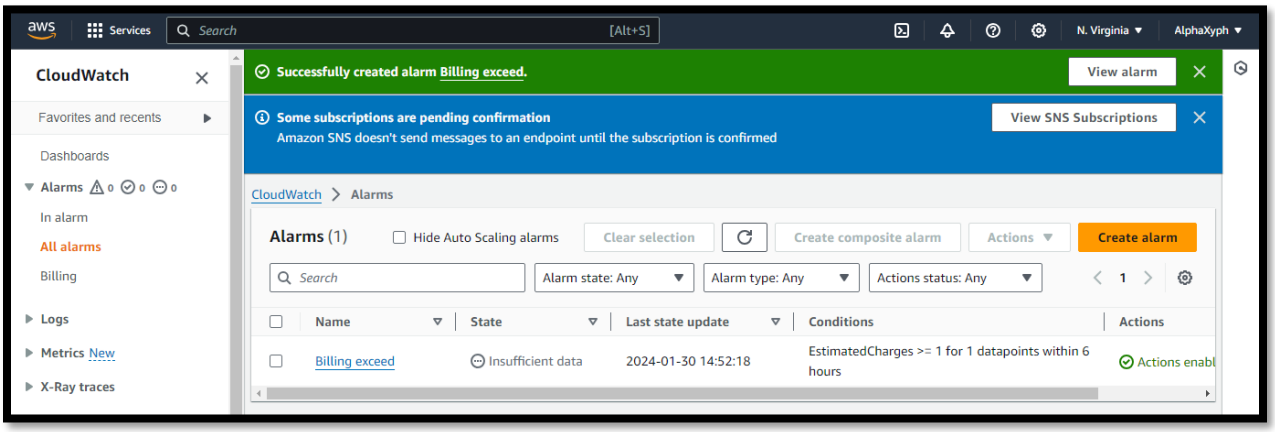
Search for CloudWatch and click over it then go to “create alarms”:

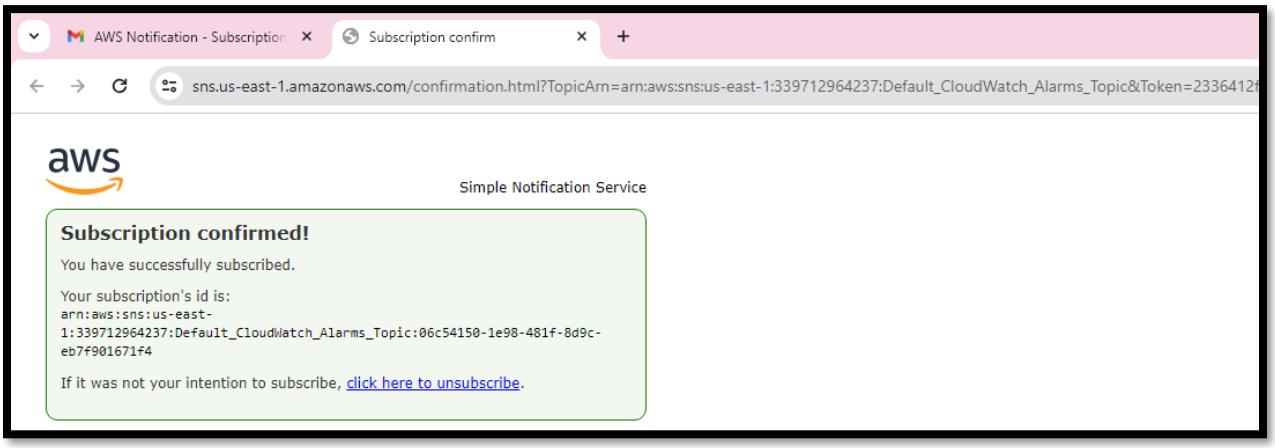




Follow the steps in this video: https://www.youtube.com/watch?v=oLUDNzb8yGo

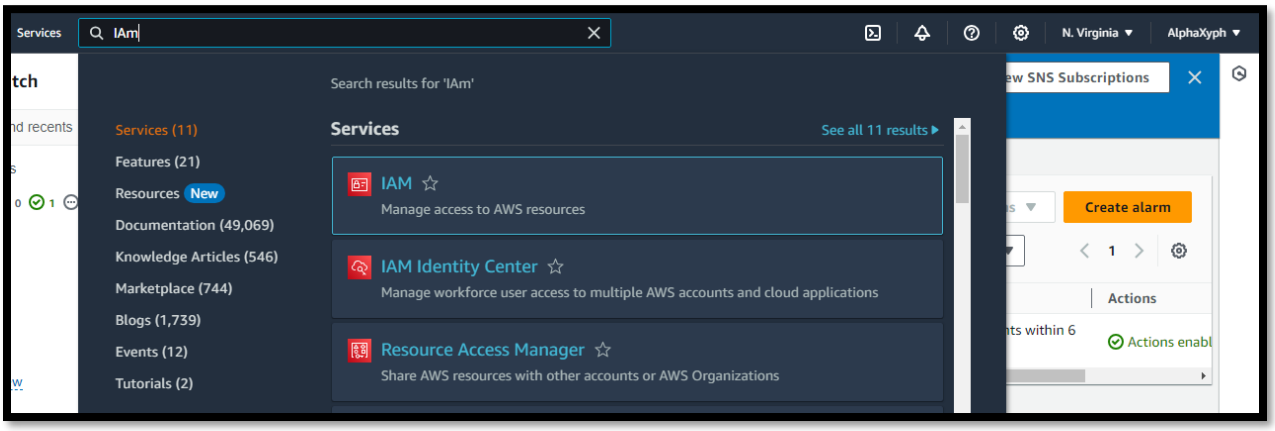




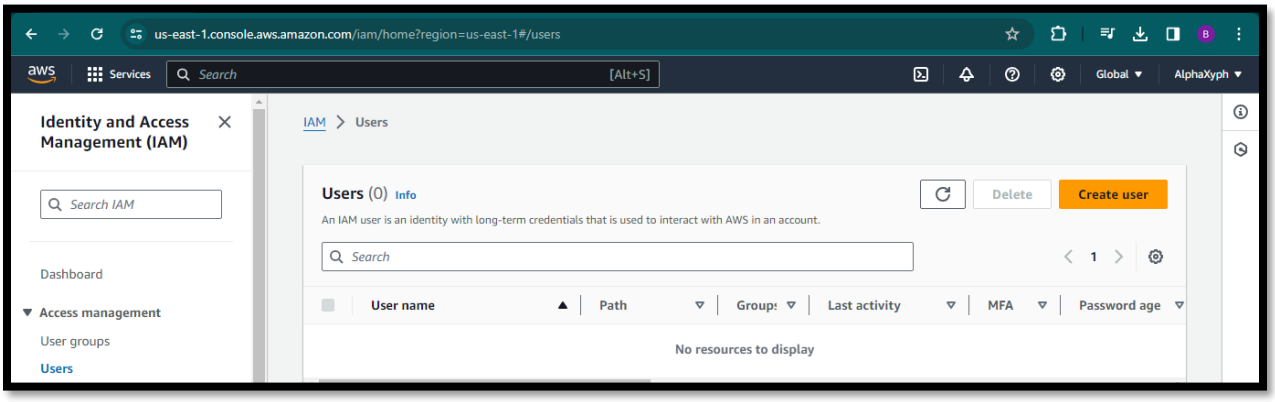


Steps for creating IAM user:

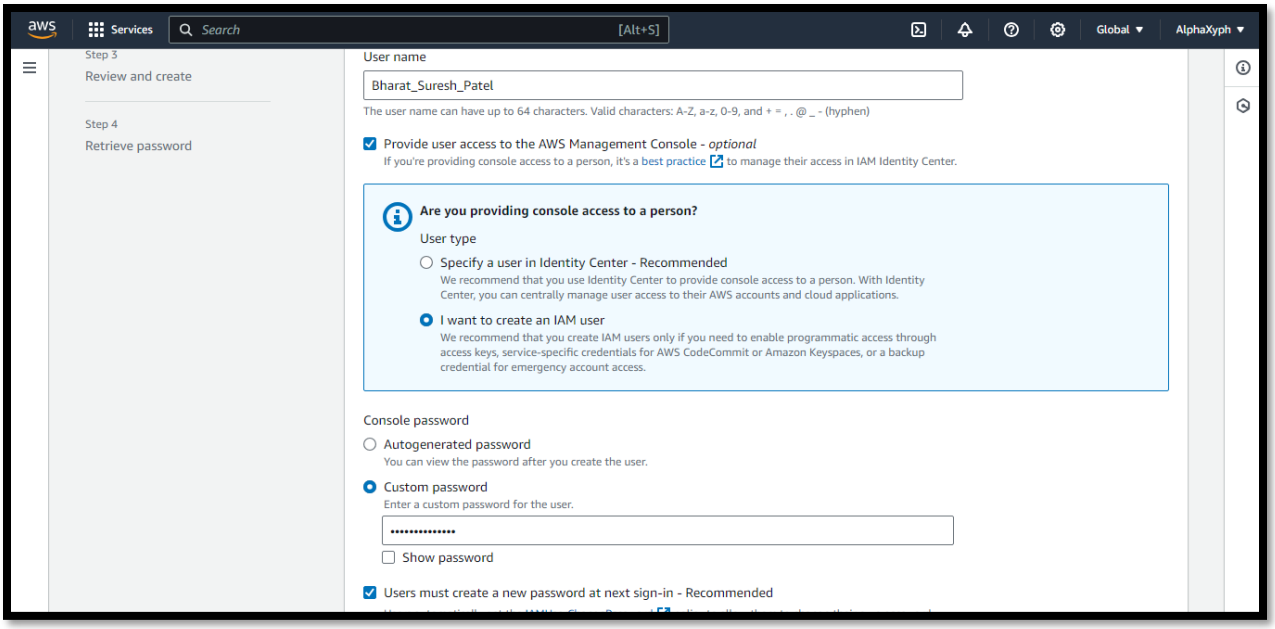
Search for IAM and click over it:



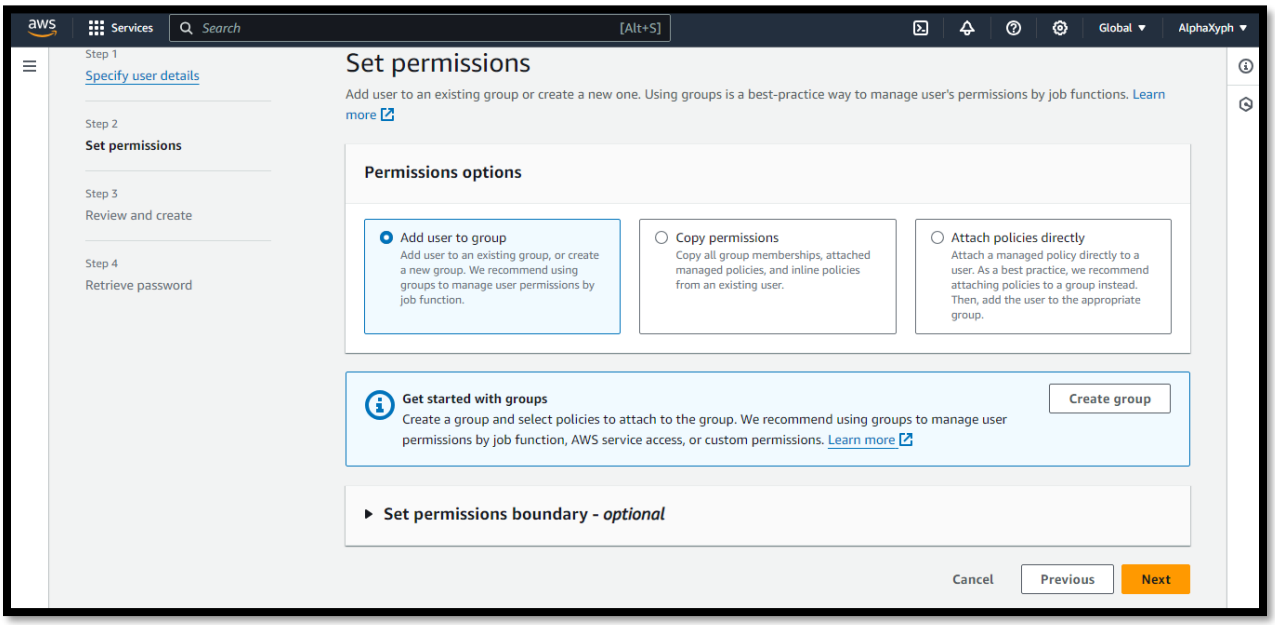
Click on “users” in left panel, then select “create user”:



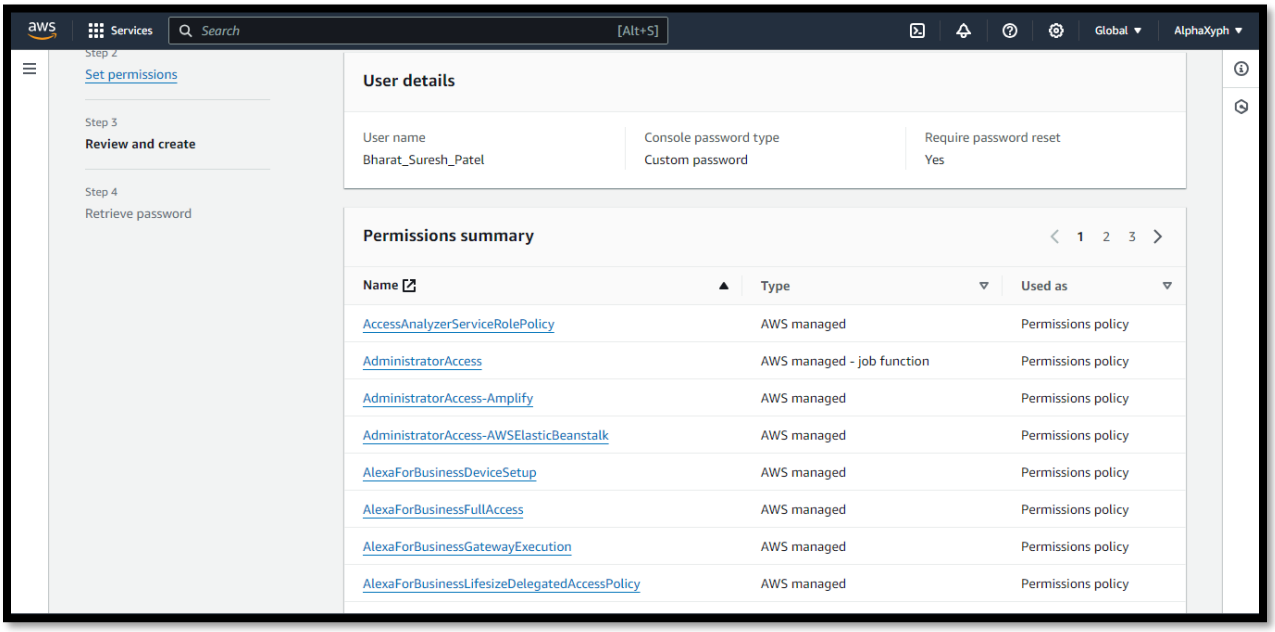
Enter user details, manage access and passwords:



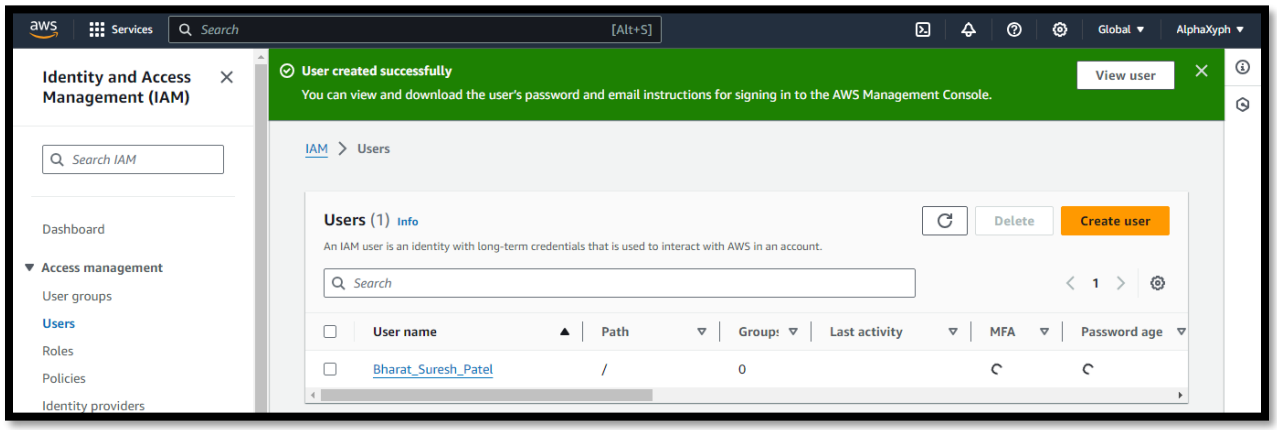
Manage permissions (In whatever way you prefer) and Click Next:



Check the details, summary, create tag (optional) and then Click “Create User”:



User has been created:



Conclusion:

AWS IAM plays a pivotal role in enhancing the security of your AWS environment by enabling precise control over user access and permissions. Adhering to the principle of least privilege, IAM ensures that users only have the necessary permissions, thereby minimizing security risks and facilitating centralized user management. This robust identity and access management framework is essential for maintaining the integrity and confidentiality of your AWS resources. Additionally, incorporating billing alarms adds a proactive financial monitoring layer, helping organizations stay informed and in control of their AWS expenditure. Together, IAM and billing alarms contribute to a comprehensive and secure AWS infrastructure.