A Mini Project Report on

Text Extractor using Amazon AWS Services

Submitted in partial fulfillment of the requirements of the degree of Bachelor in Engineering

Third Year of Engineering In Computer Engineering

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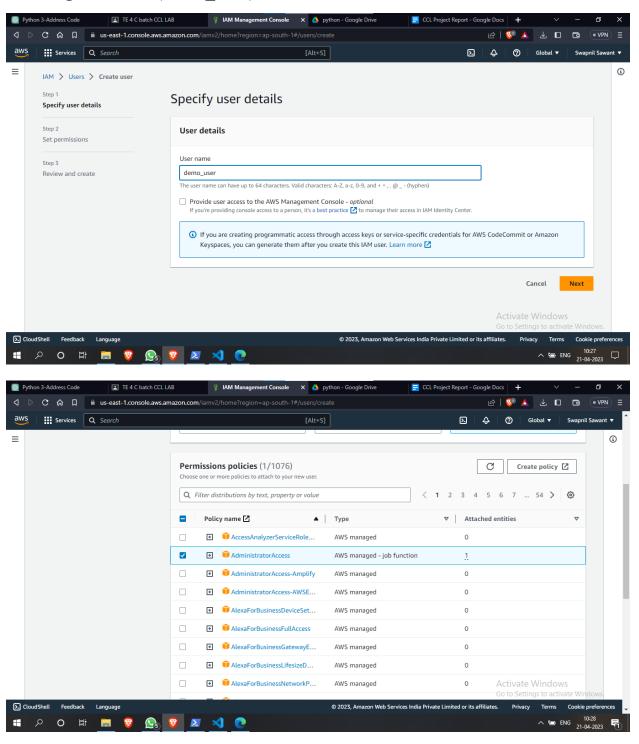
Aim:

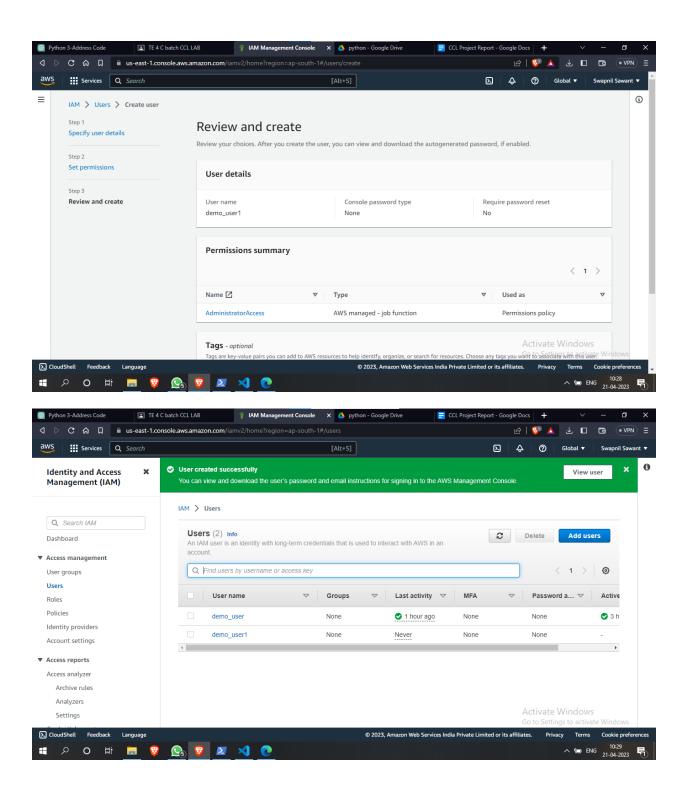
To extract the text from the image by using the AWS IAM, Textract, and AWS CLI service.

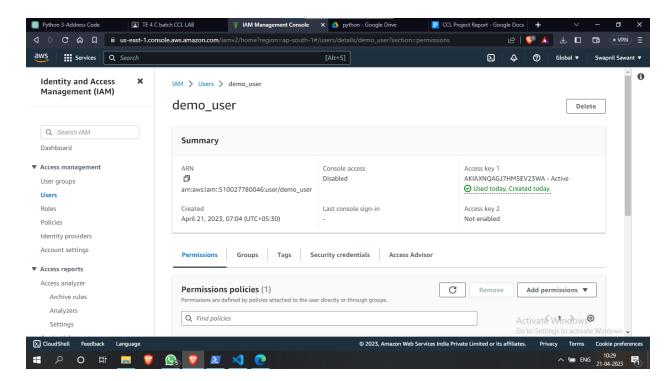
Problem Statement:

The goal of the project "Text Extractor using Amazon AWS Services" is to create a system that can automatically extract text from photos using the services provided by AWS IAM, Textract, and AWS CLI. The purpose of this project is to give businesses and organizations that need to handle a lot of photos with text an effective and affordable option. The software must be able to correctly recognize text included inside pictures, extract the content, and store it in a machine-readable format for future use. Optimising the system's efficiency to handle high numbers of photos, maintaining the confidentiality and privacy of the extracted data, and assuring the accuracy of text extraction are the project's main problems. The accomplishment of this project's objectives

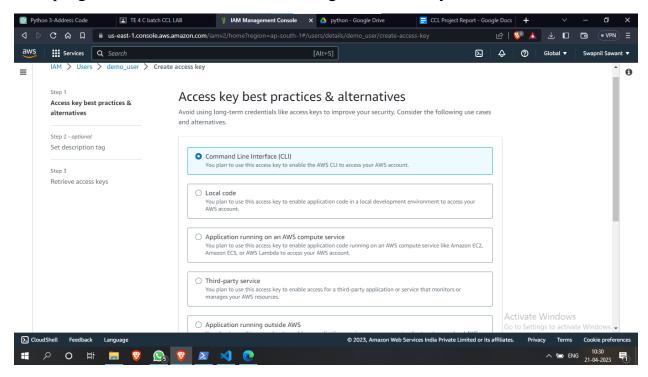
Creating IAM user(demo_user):

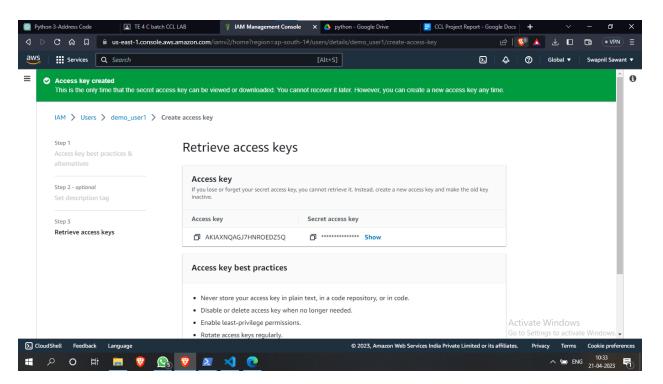




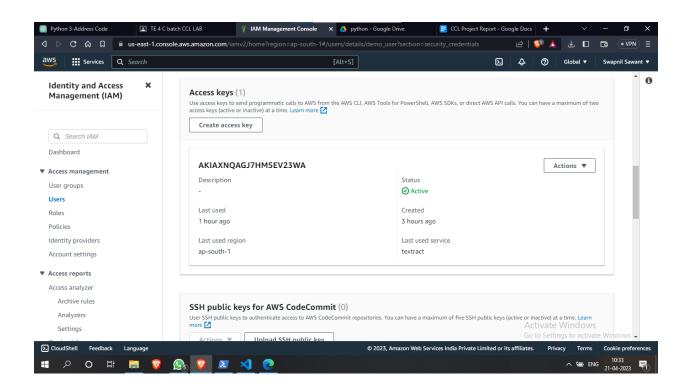


Give programmatic access to the user using the access key creation.



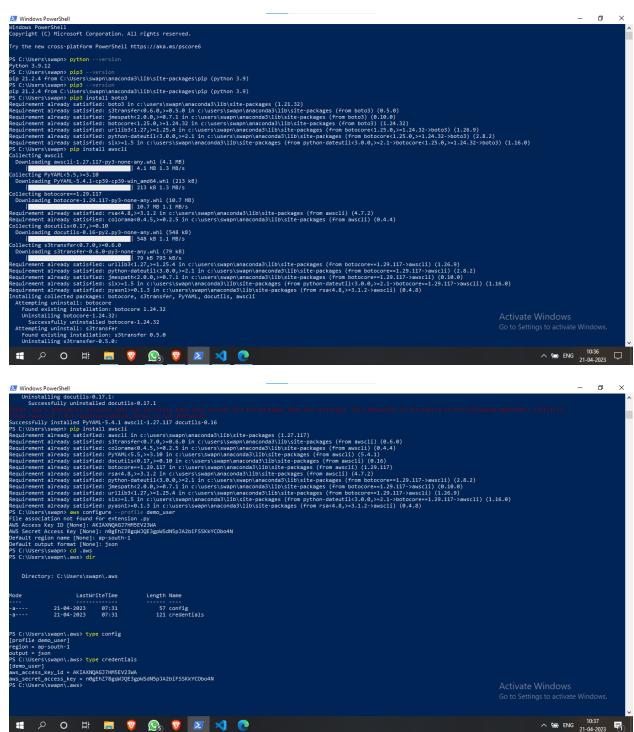


Note down the access key and secret access key in the file.

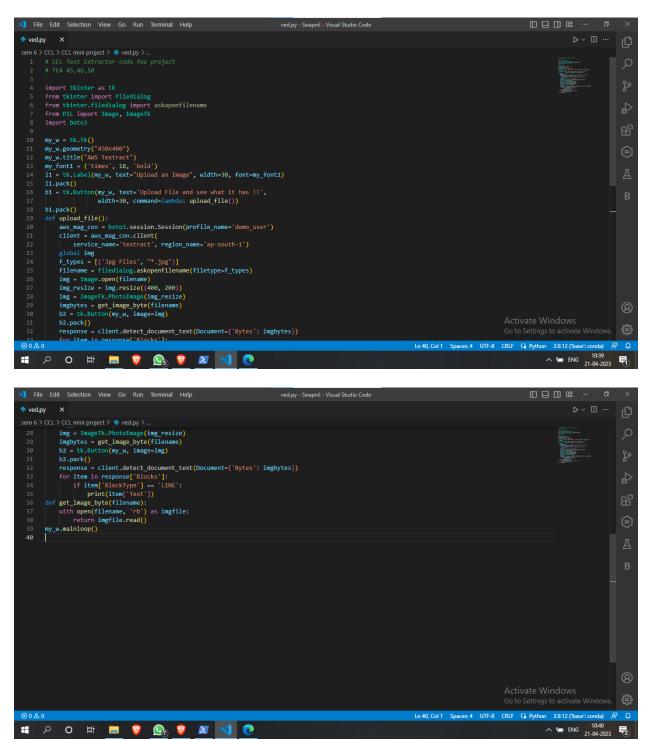


Configure the user for command line in powershell:

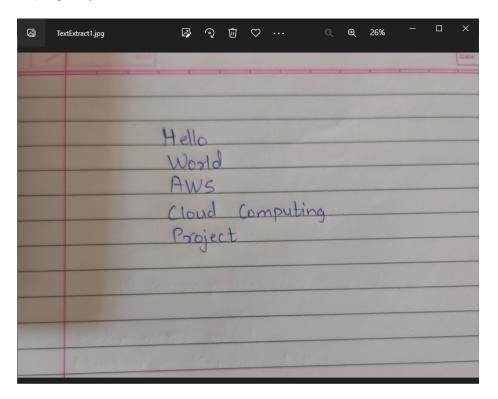
Download all the dependencies needed.



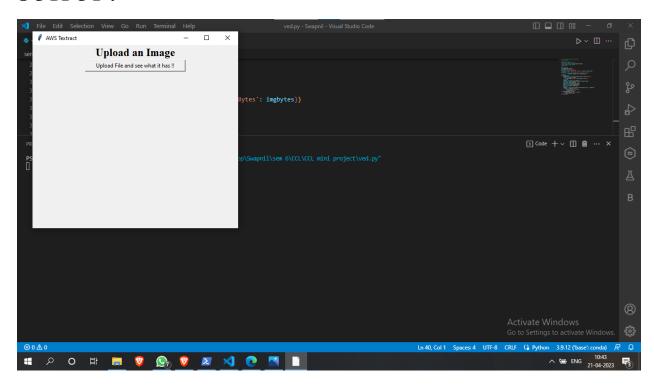
Write the code for the text extractor:

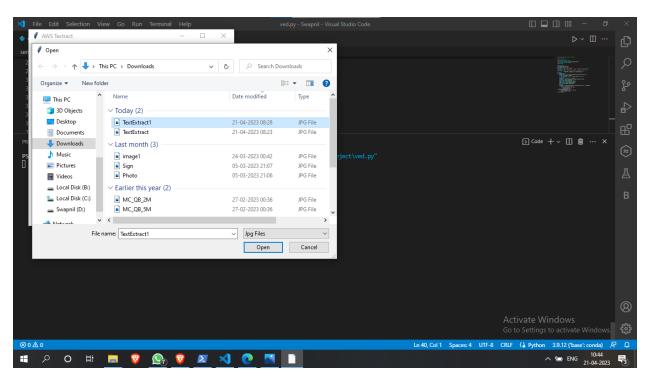


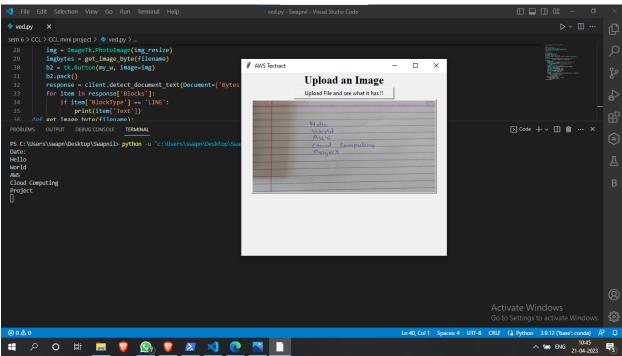
INPUT:



OUTPUT:

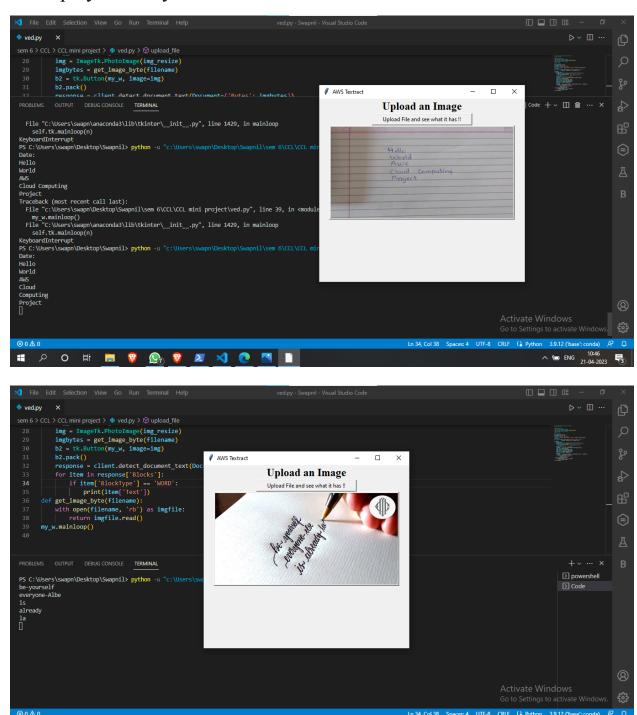






To display word by word

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Conclusion:

In conclusion, creating a Text Extractor with Amazon AWS Services is a worthwhile project that has the potential to greatly increase commercial and organizational productivity. The system can automatically extract text from photos and save it in a machine-readable format for subsequent processing by utilizing the AWS IAM, Textract, and AWS CLI services. The project has a number of difficulties, such as guaranteeing text extraction accuracy, enhancing system performance, and guaranteeing the confidentiality and privacy of extracted data. However, with proper design and execution, the project may offer considerable advantages to companies and organizations, simplifying their processes, lowering manual labor requirements, and enhancing overall effectiveness. This project is an excellent illustration of how contemporary technology may be utilized to address complicated issues and improve our way of life.

References:

https://aws.amazon.com/textract/

https://docs.aws.amazon.com/workspaces-web/latest/adminguide/get ting-started-iam-user-access-keys.html

https://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-withttps://www.geeksforgeeks.org/how-to-extract-text-from-images-wit<a href="https://www.geeksforgeeks.org/how-to-extract-text-from-images-wit-text-from-ima