AMAZON AWS AND JENKINS ASSIGNMENT

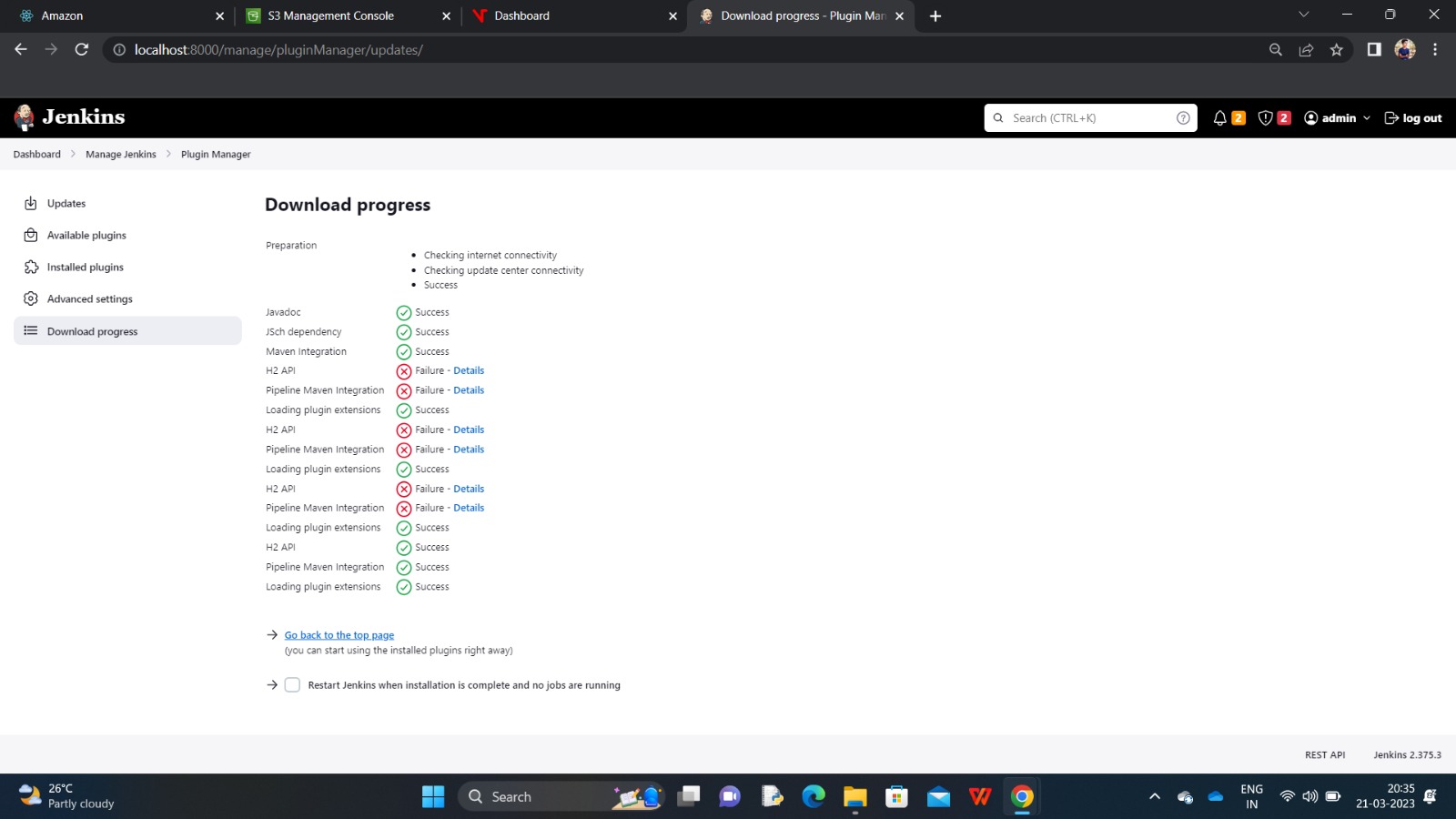
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Q1) Build a manual ci-cd pipeline for a java application and also write a simple test.sh for testing, after that convert the same in automated ci-cd pipeline using jenkins but you have to also use maven for java application.

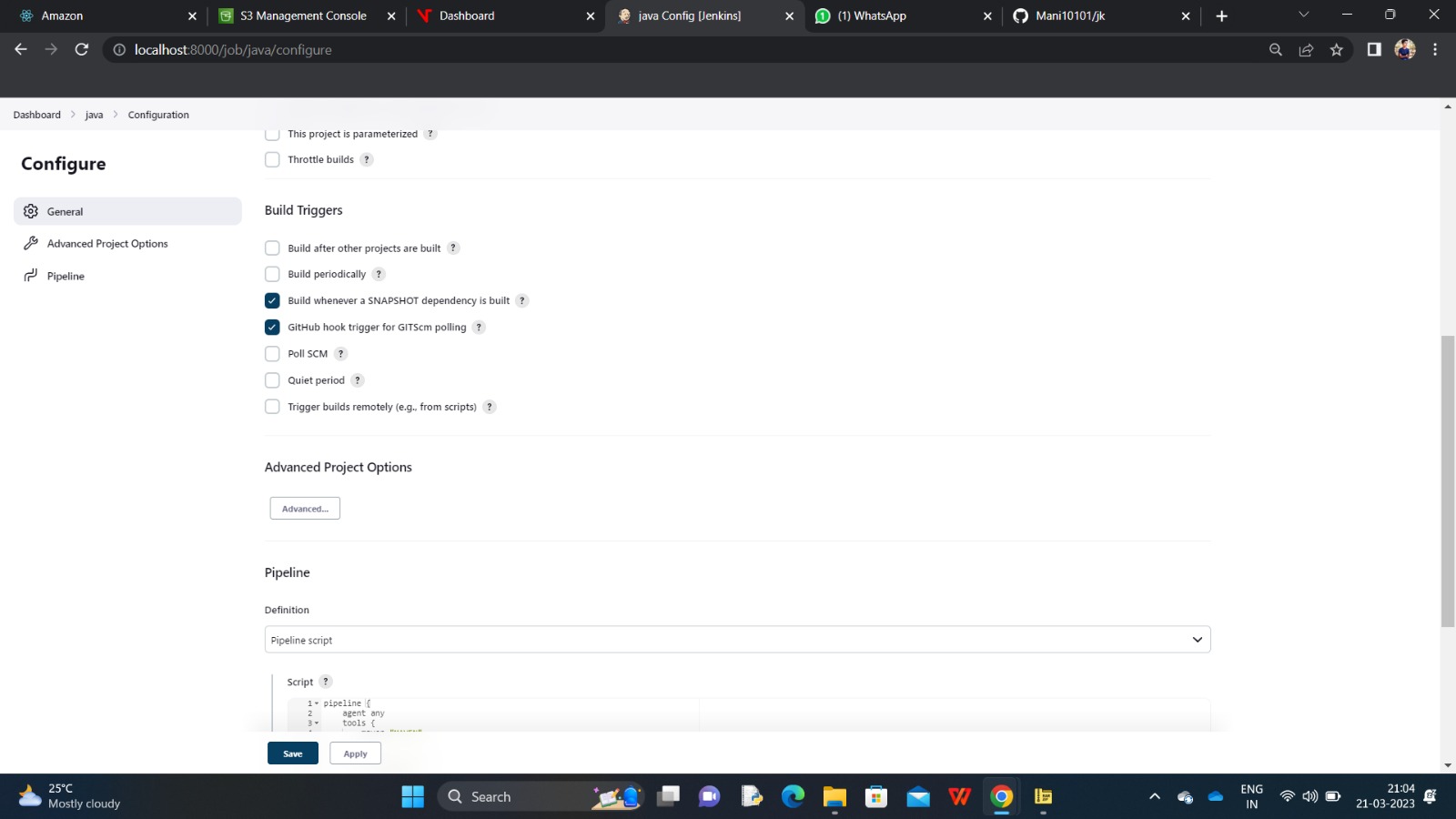
MANAGE JENKINS

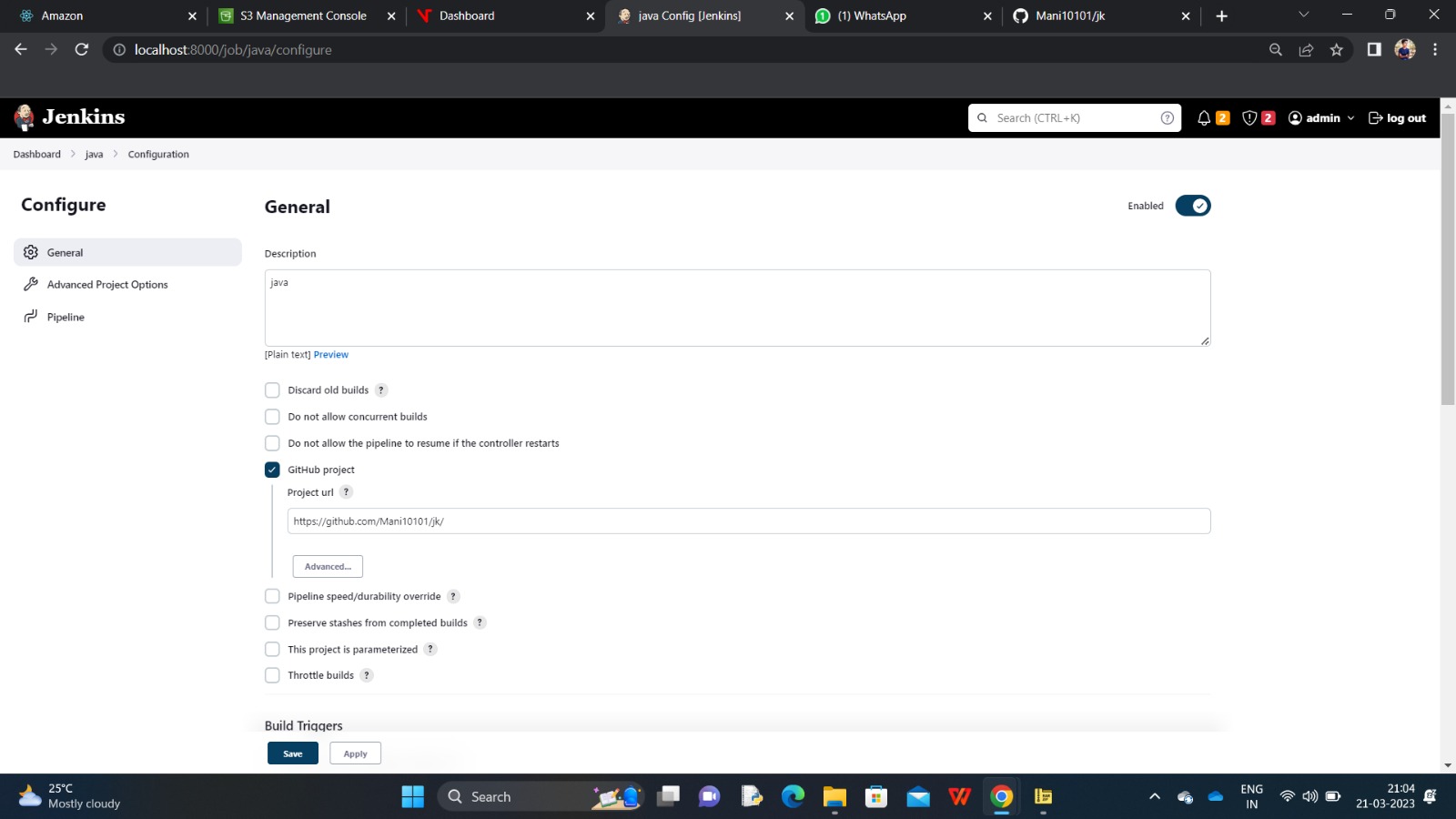


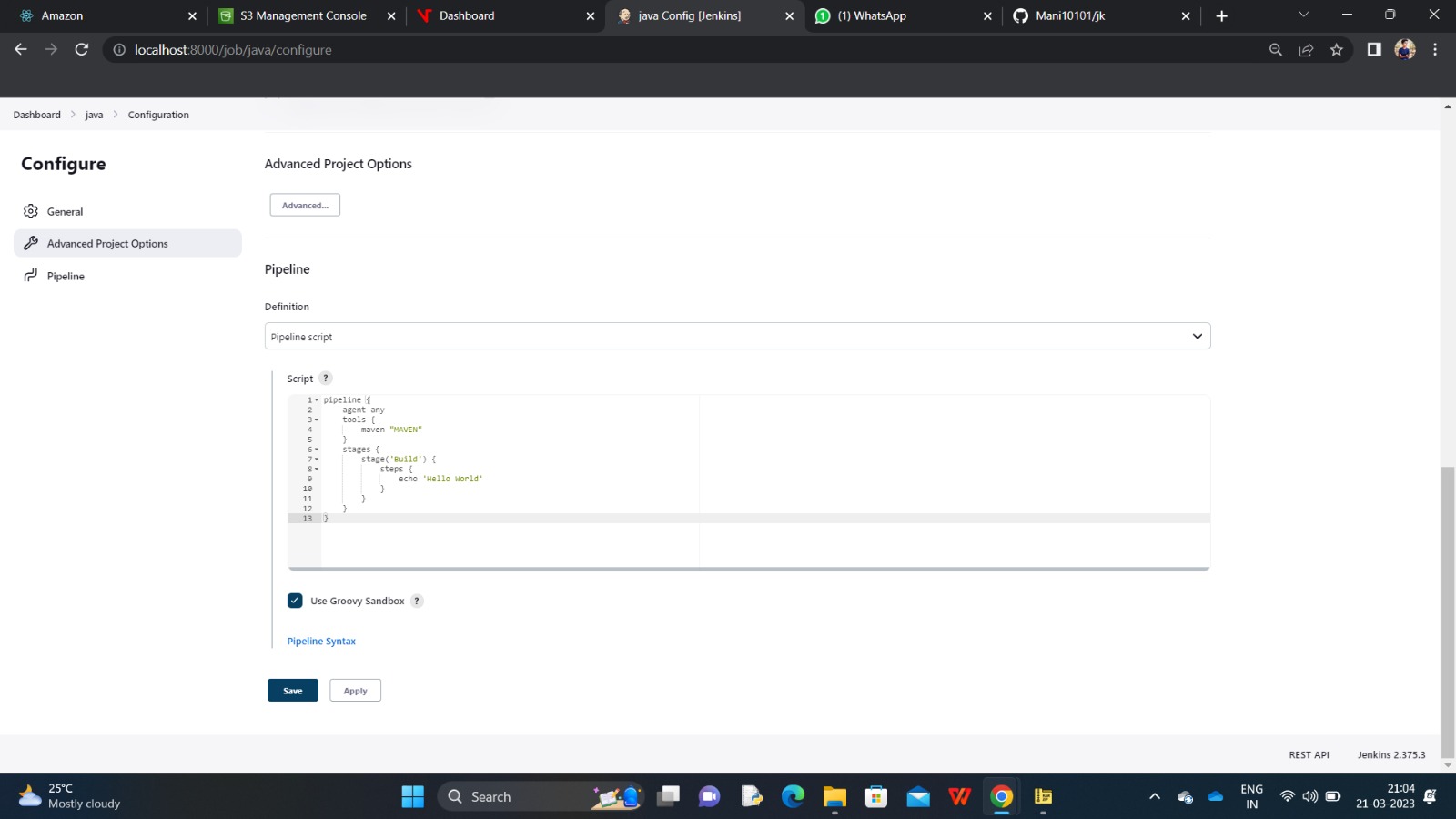
INSTALLING PLUGLINS->MAVEN INTEGRATION AND MAVEN PIPELINE INTEGRATION



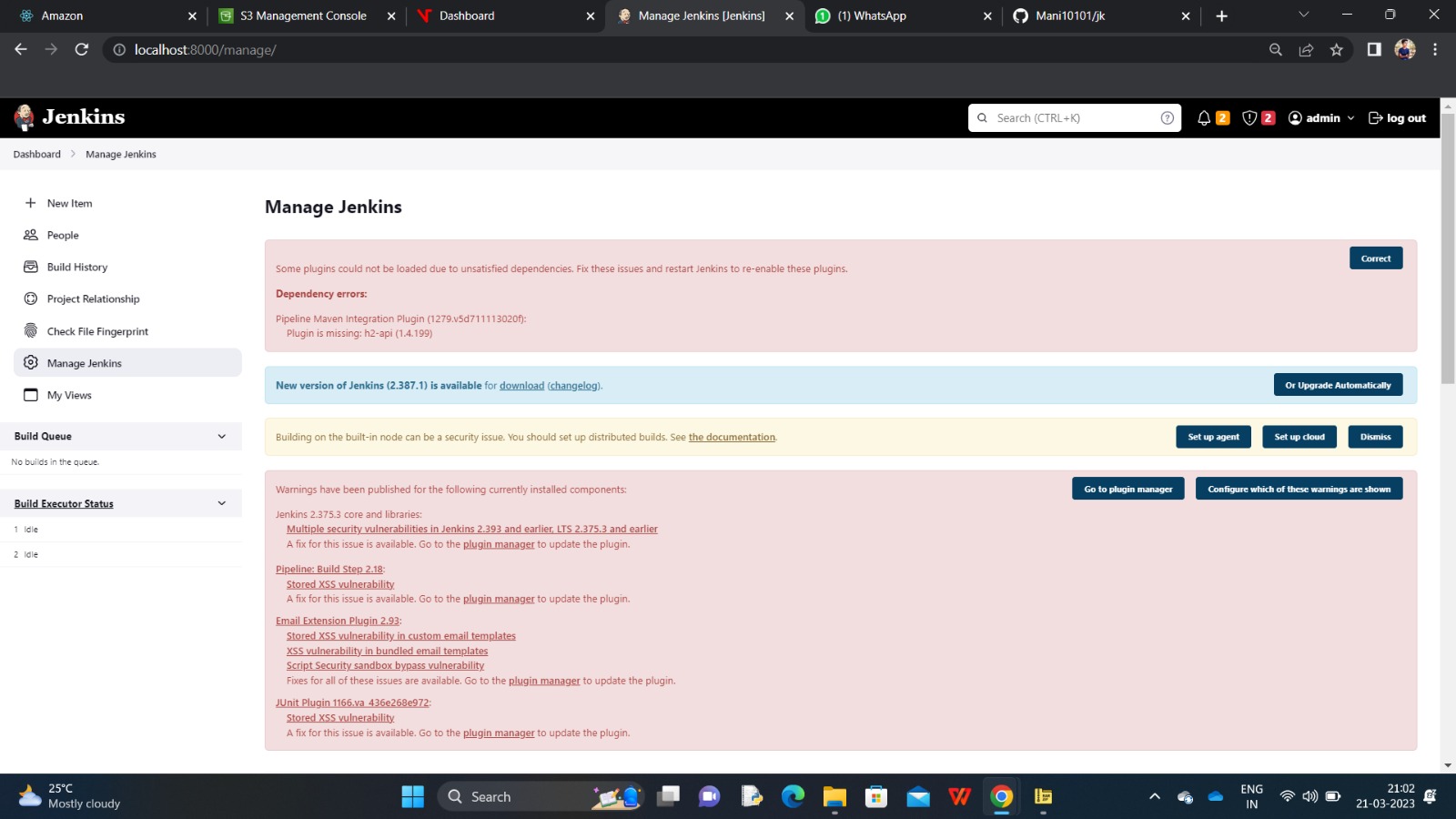
CONFIGURE SETTINGS

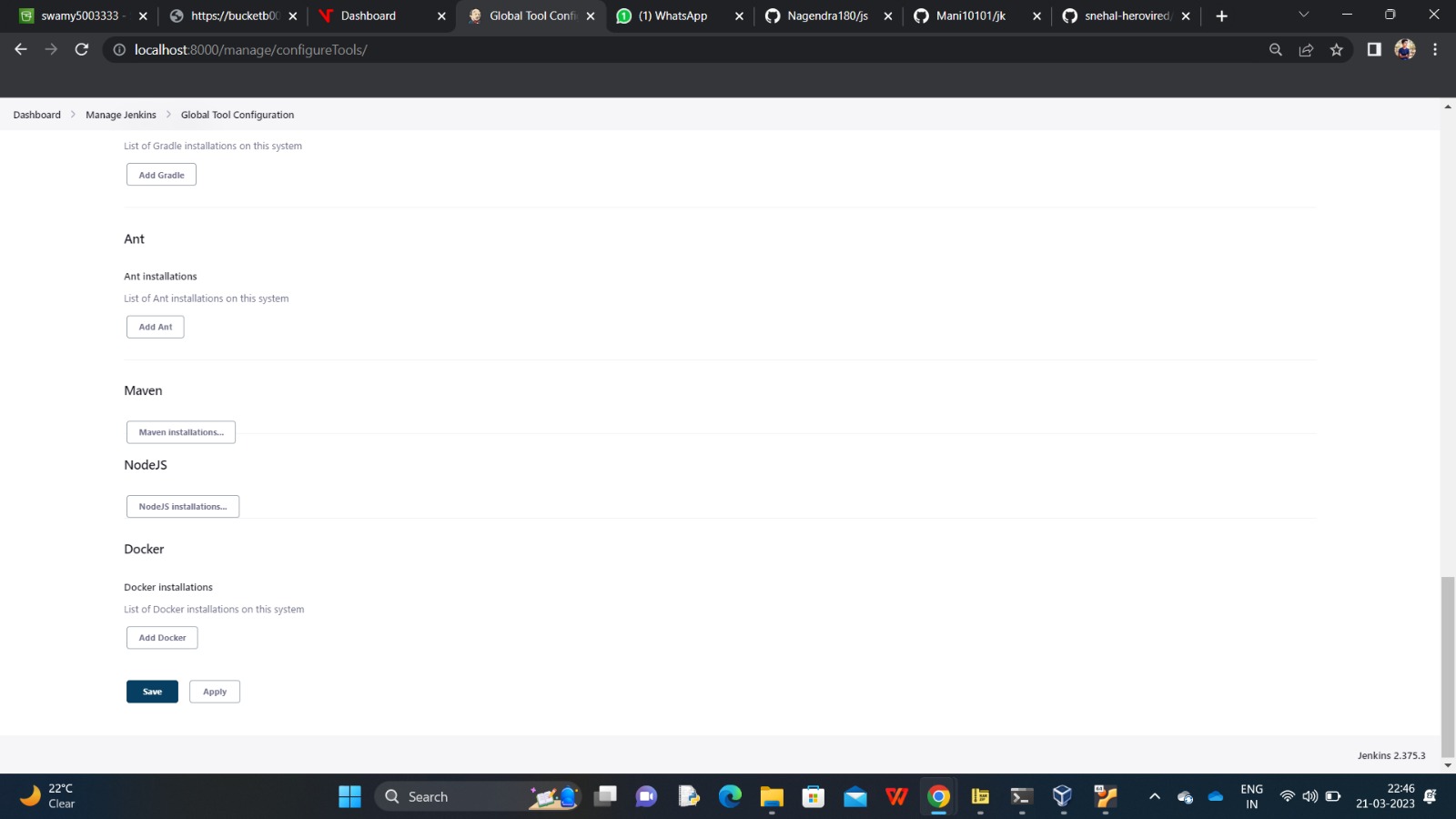


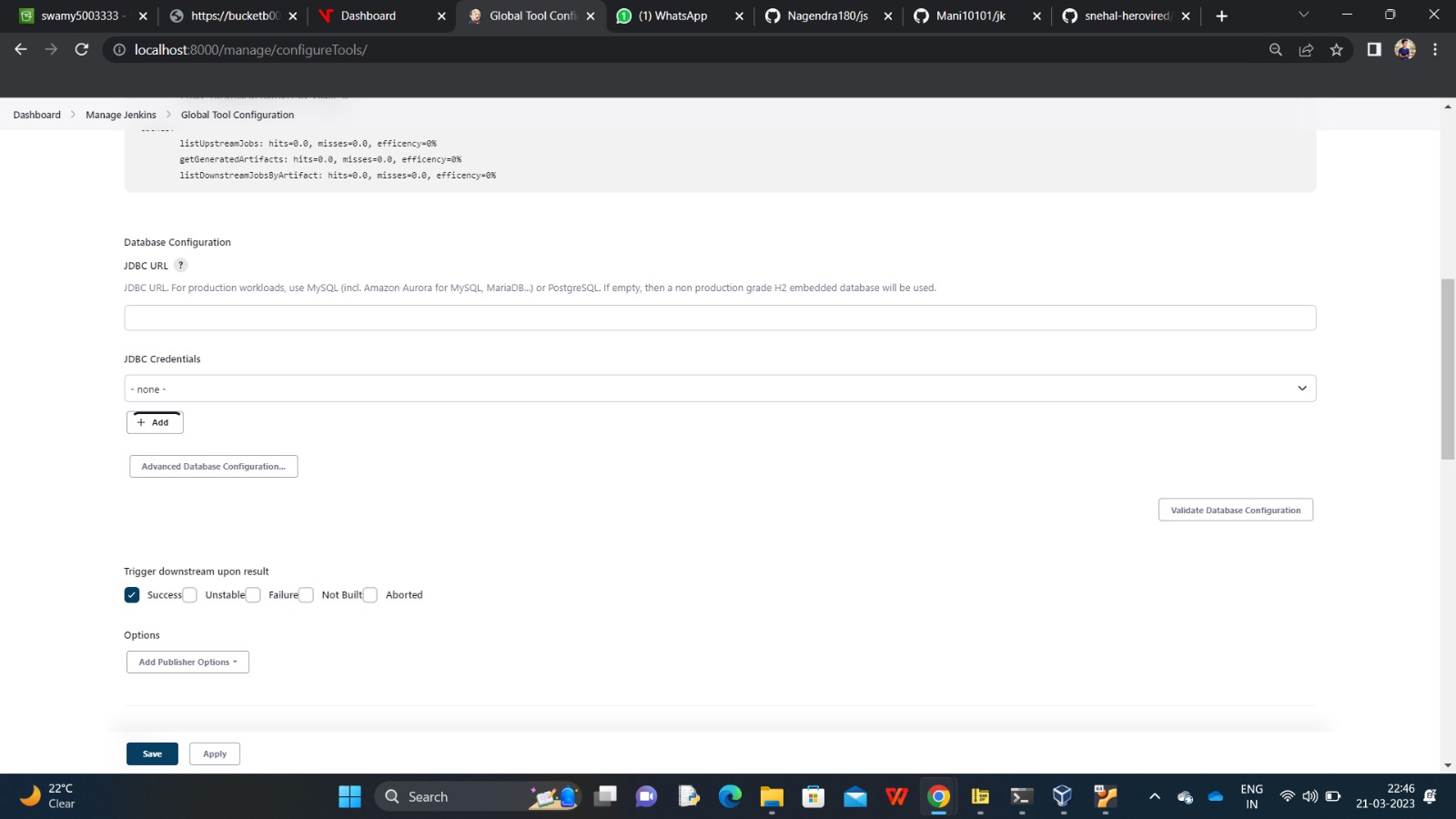


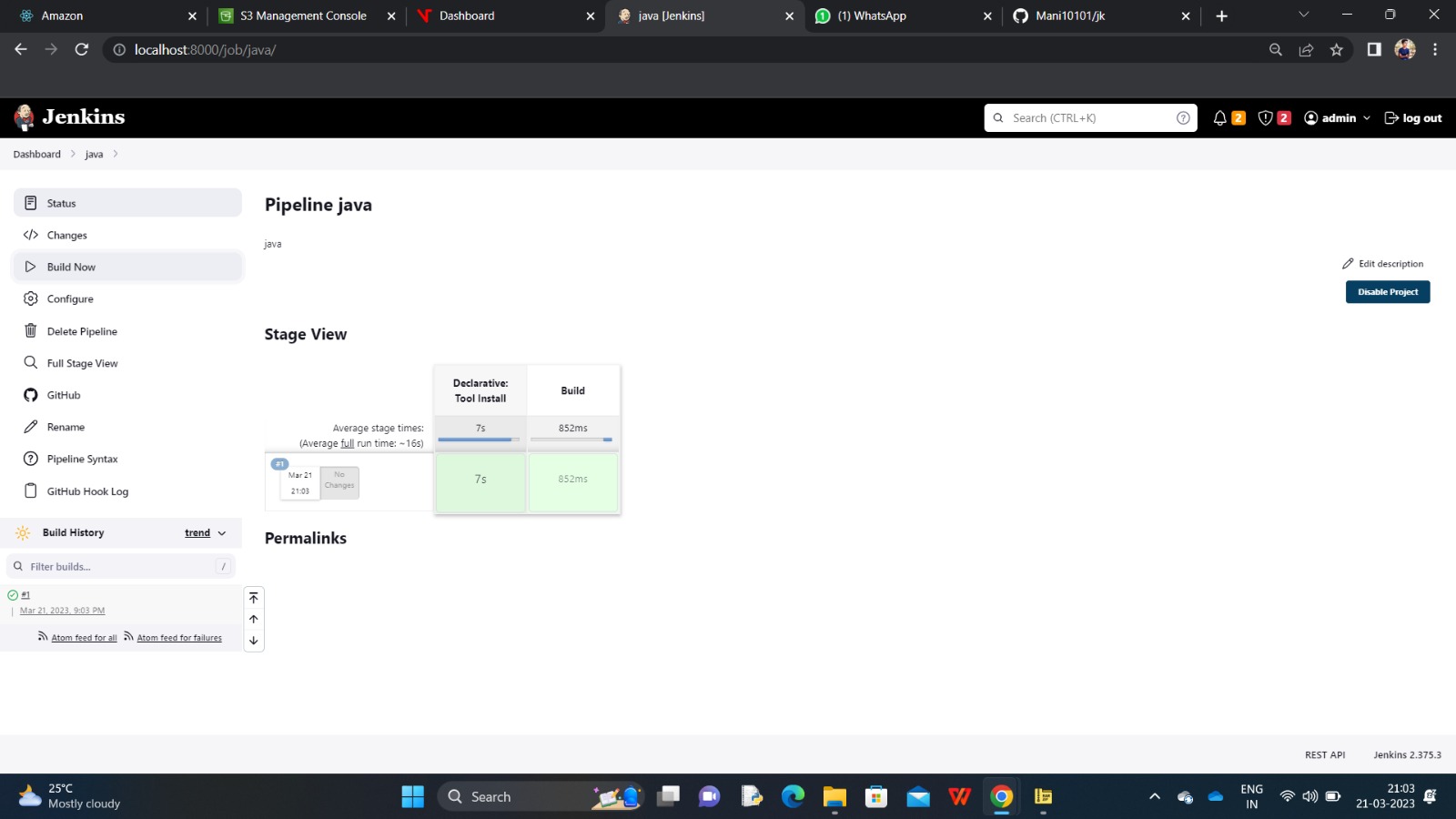


GLOBAL TOOL CONFIGURATIONS SETTINGS



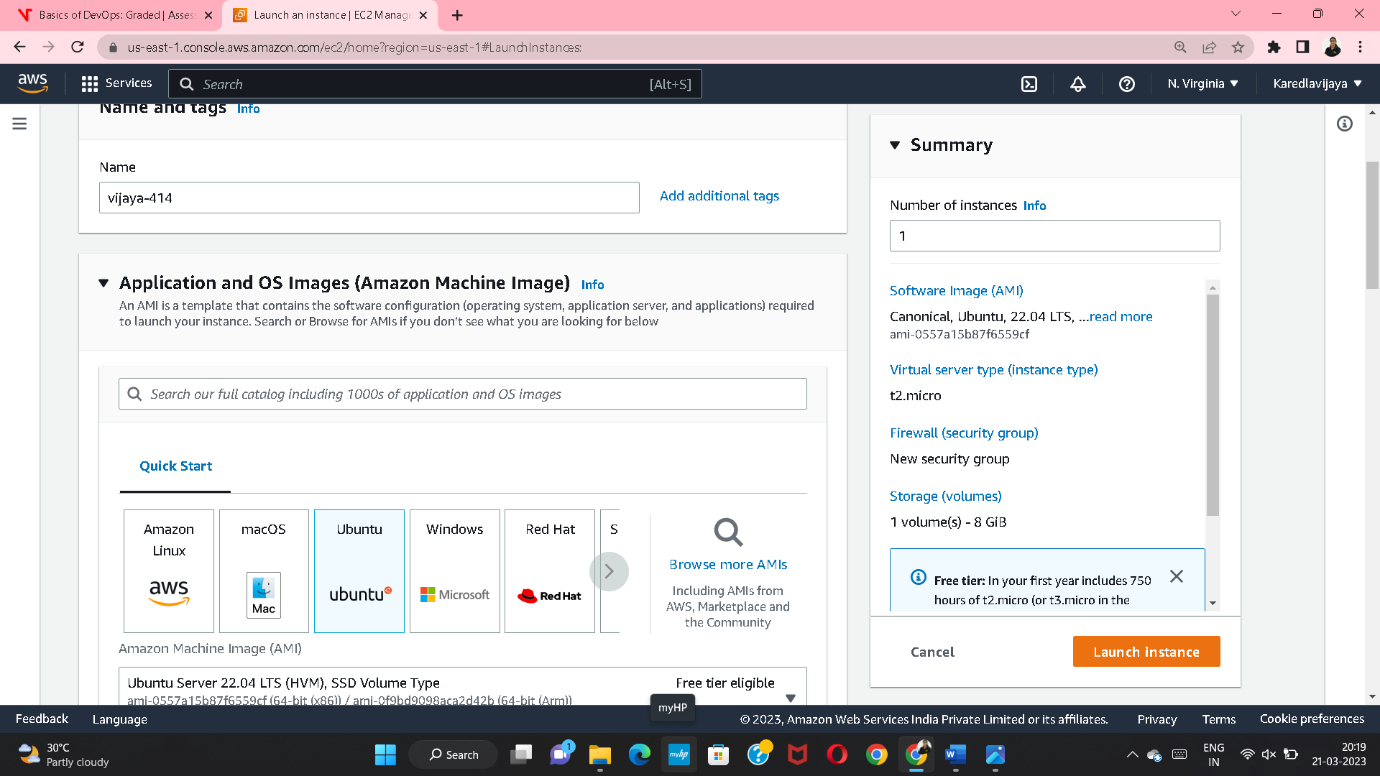


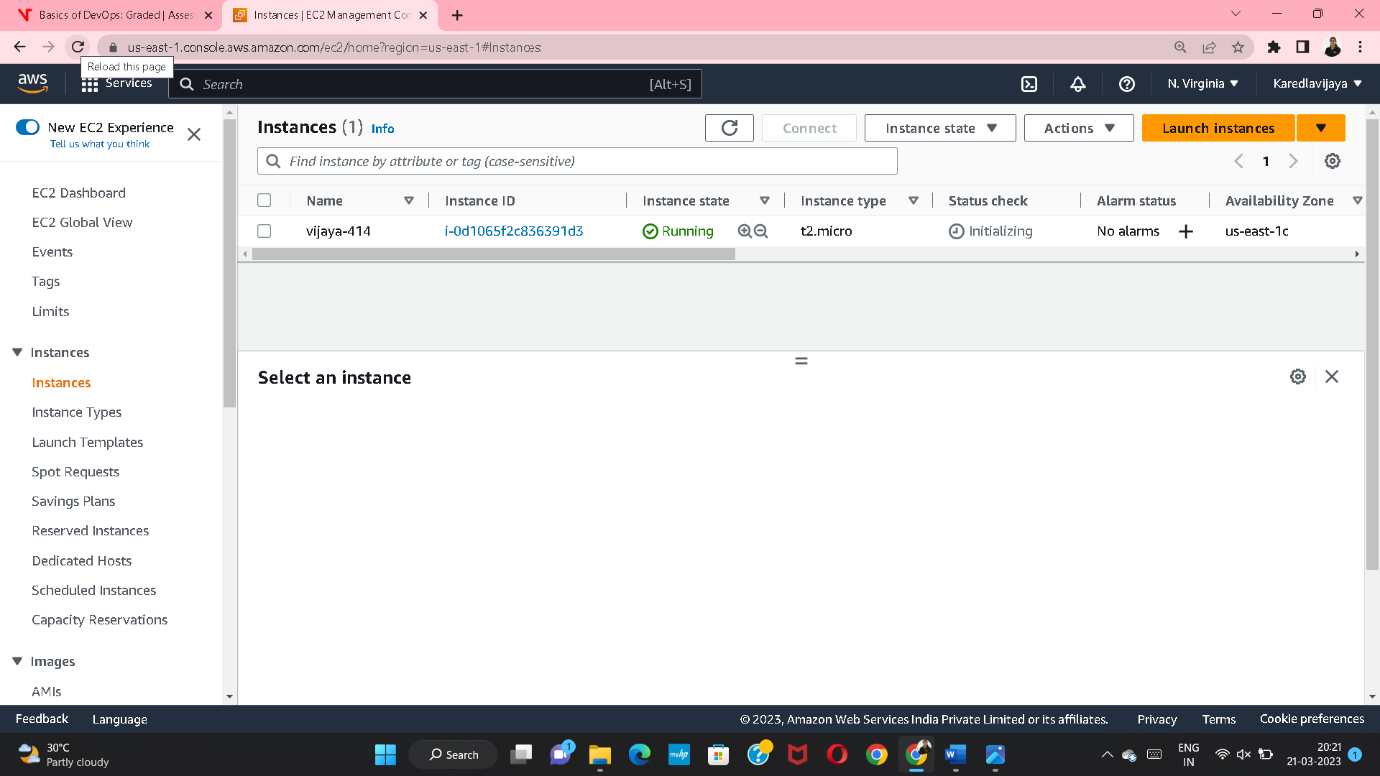




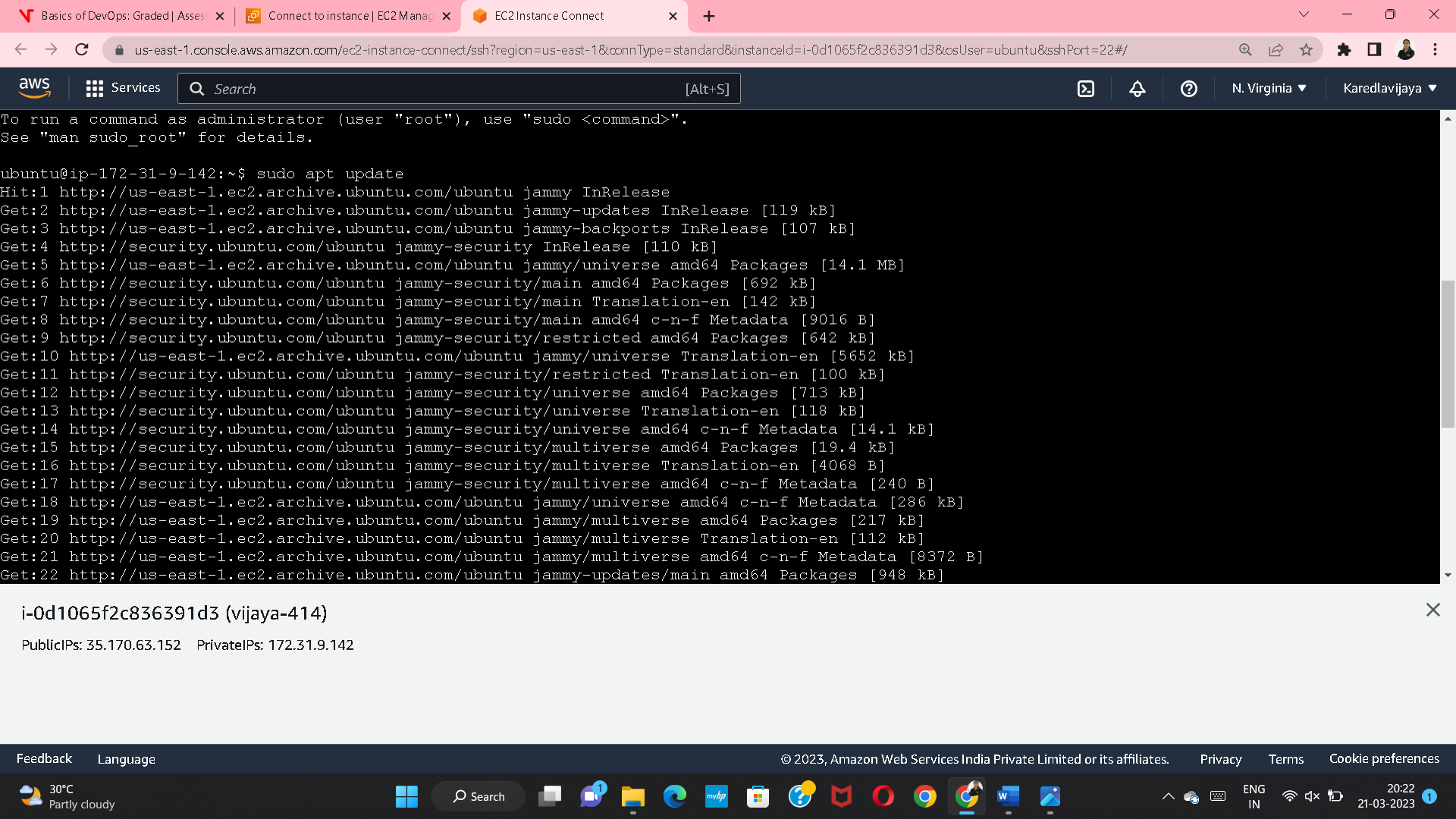
Q2) Create an EC2 instance for a REACTJS application and deploy the application and provide the public IP for it, also enable the cloud monitoring on these instances.

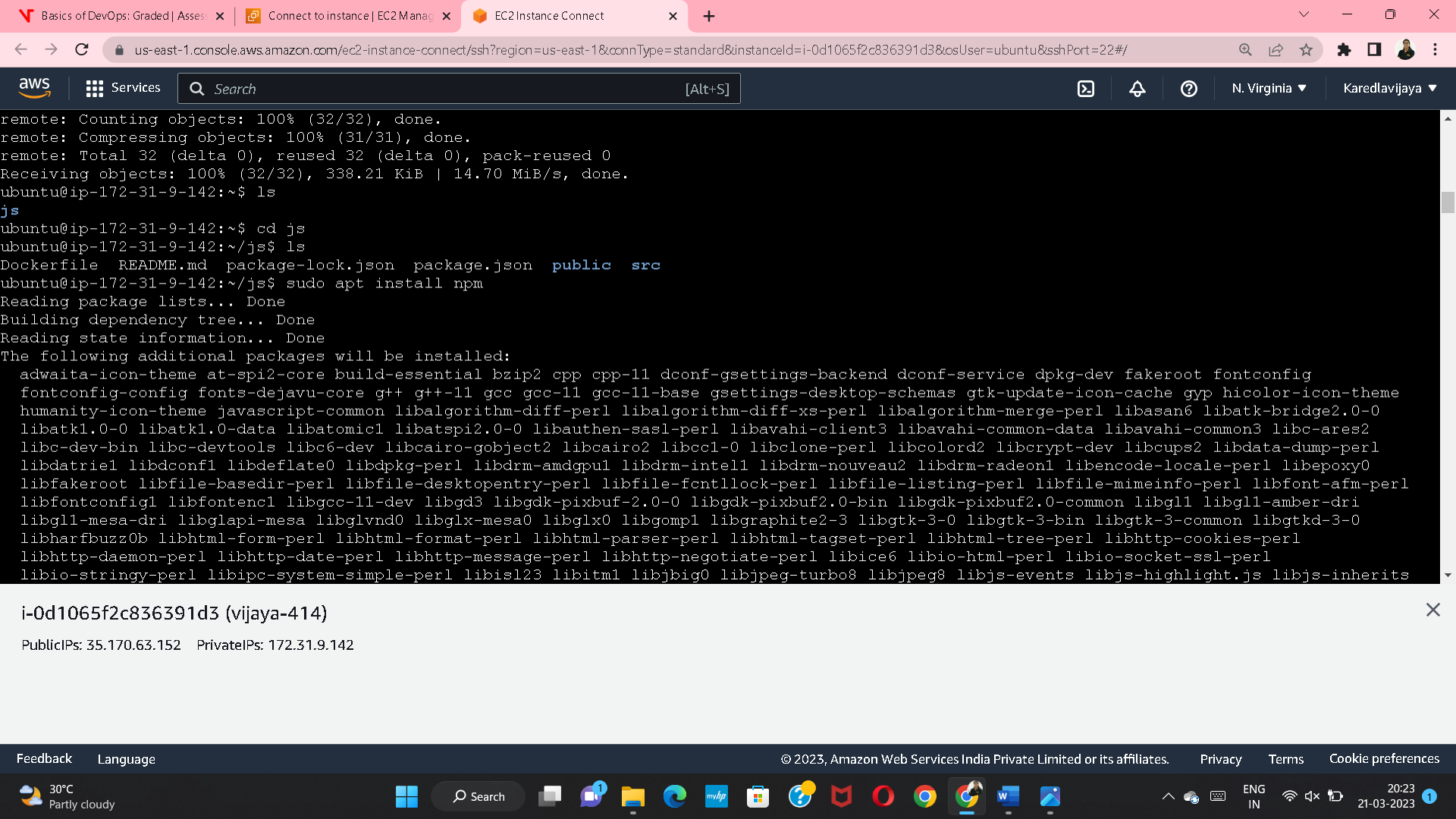
INSTANCE WITH UBUNTU IMAGE

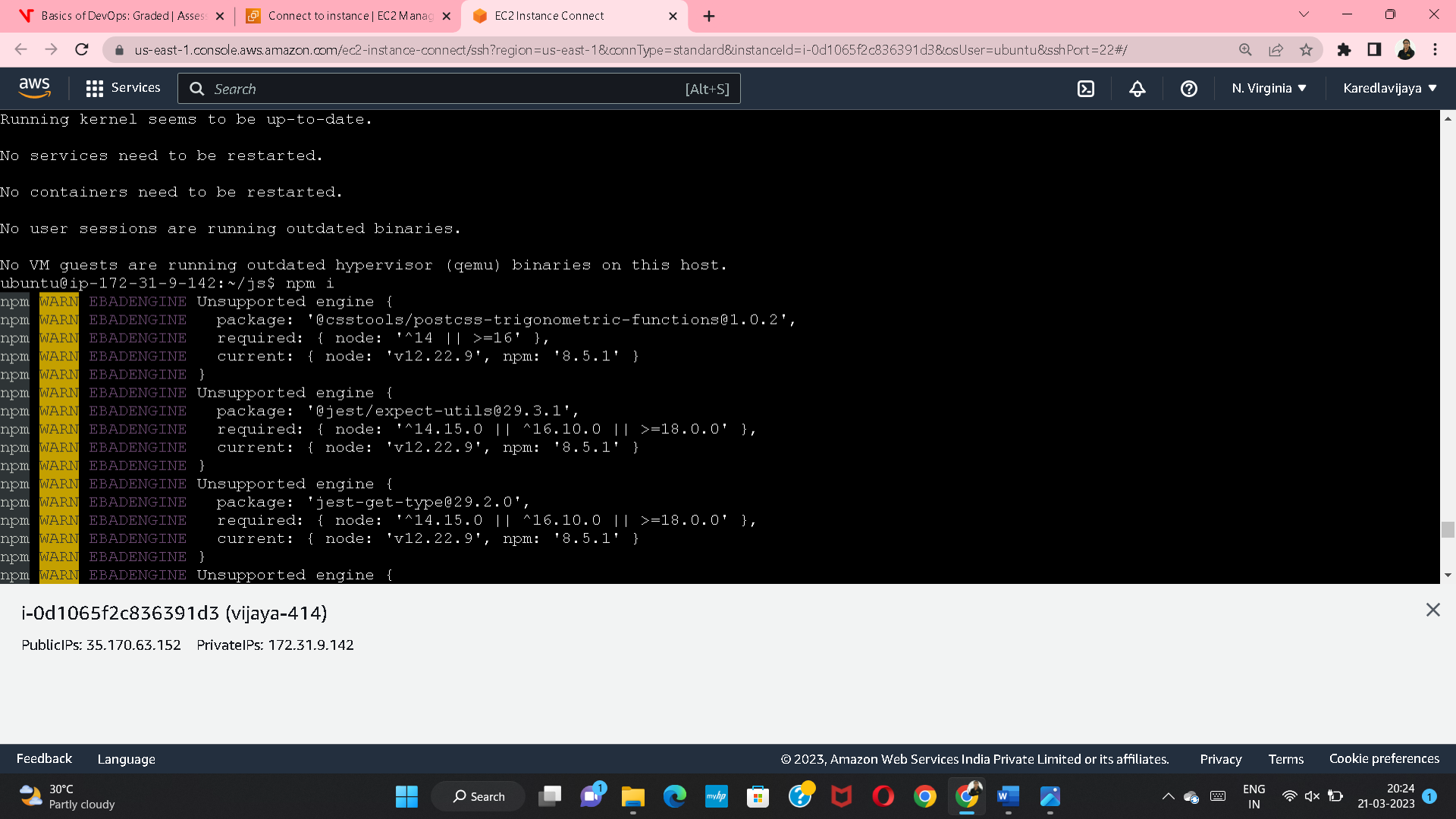


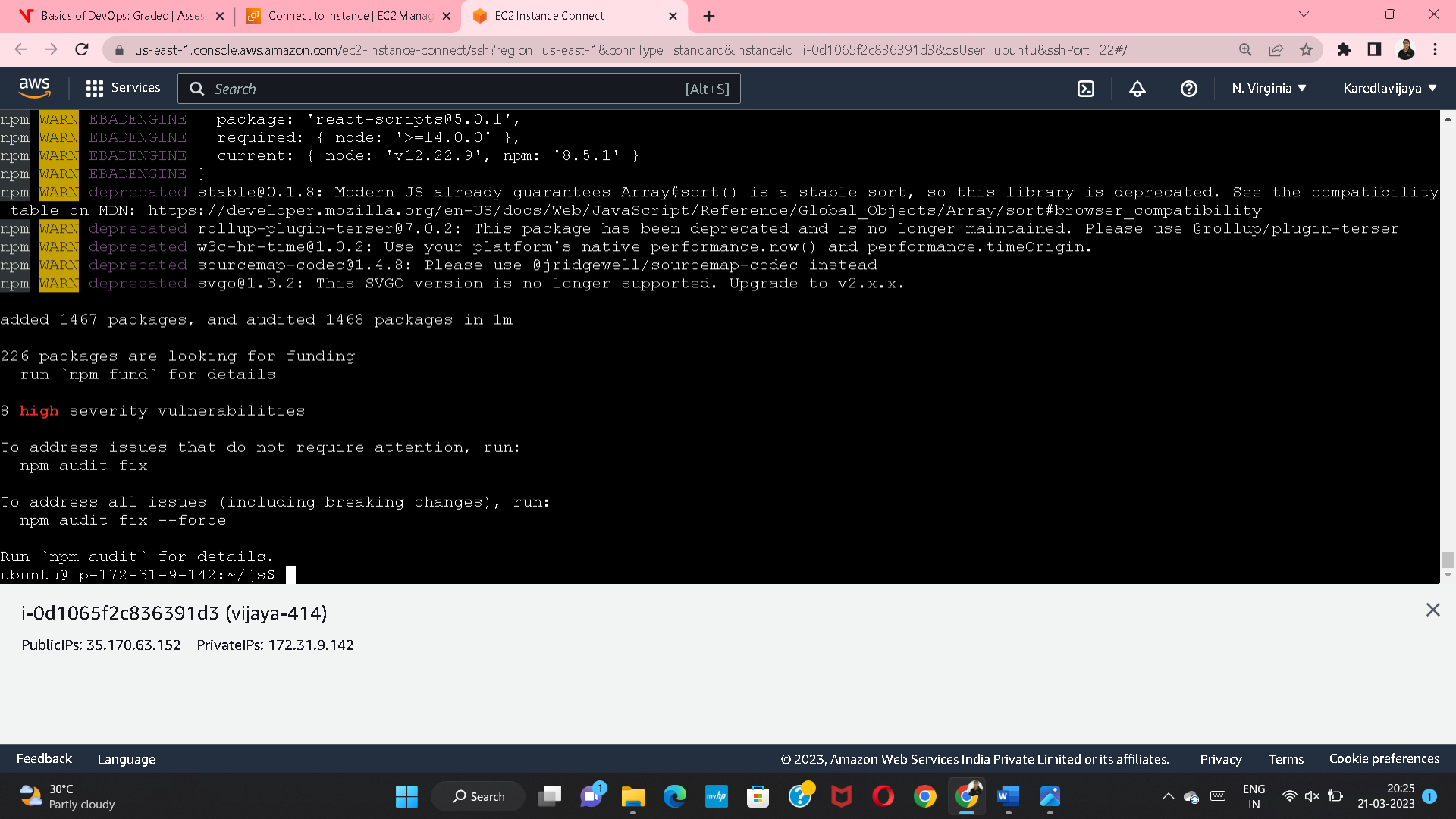
RUNNING INSTANCE

AFTER CONNECTING THE INSTANCE 🡪COMMANDS

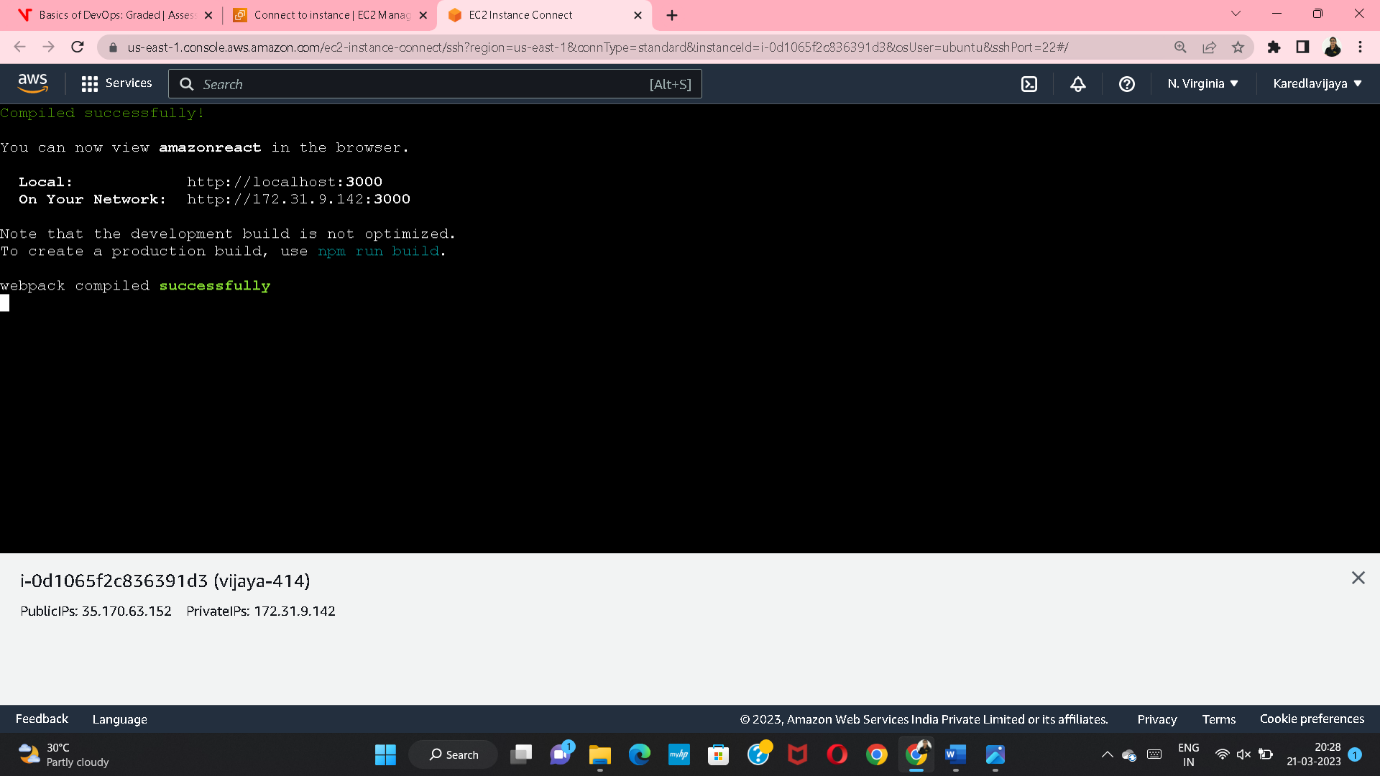




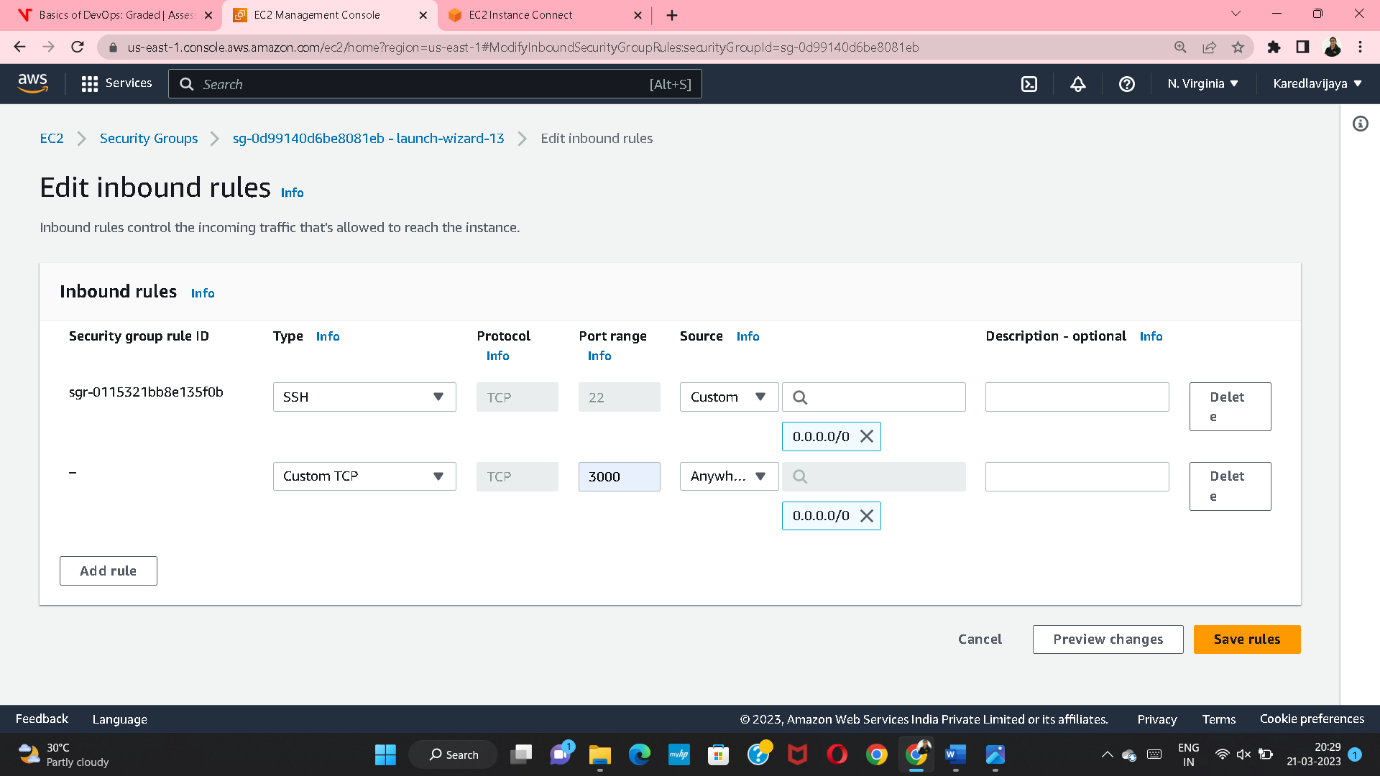




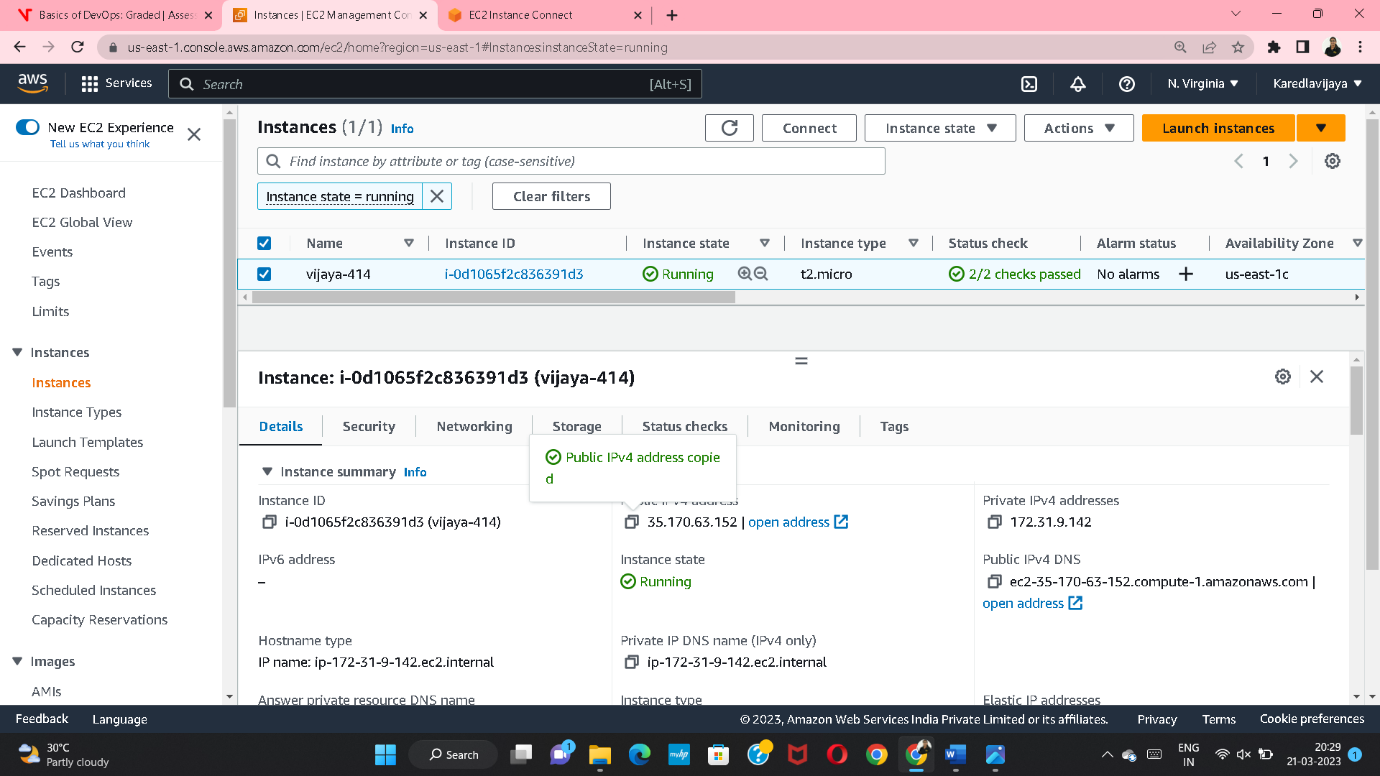
AMAZON REACT VIEW



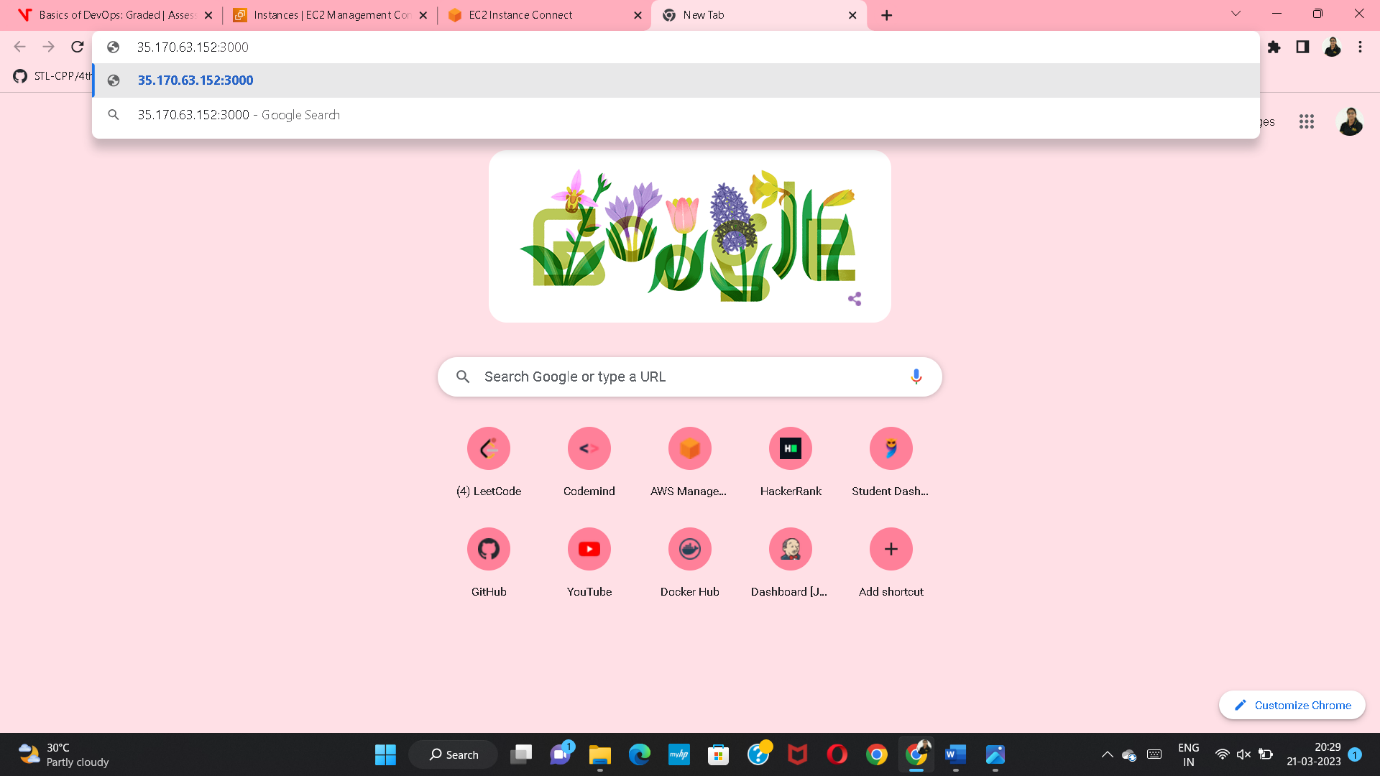
EDIT INBOUND RULES



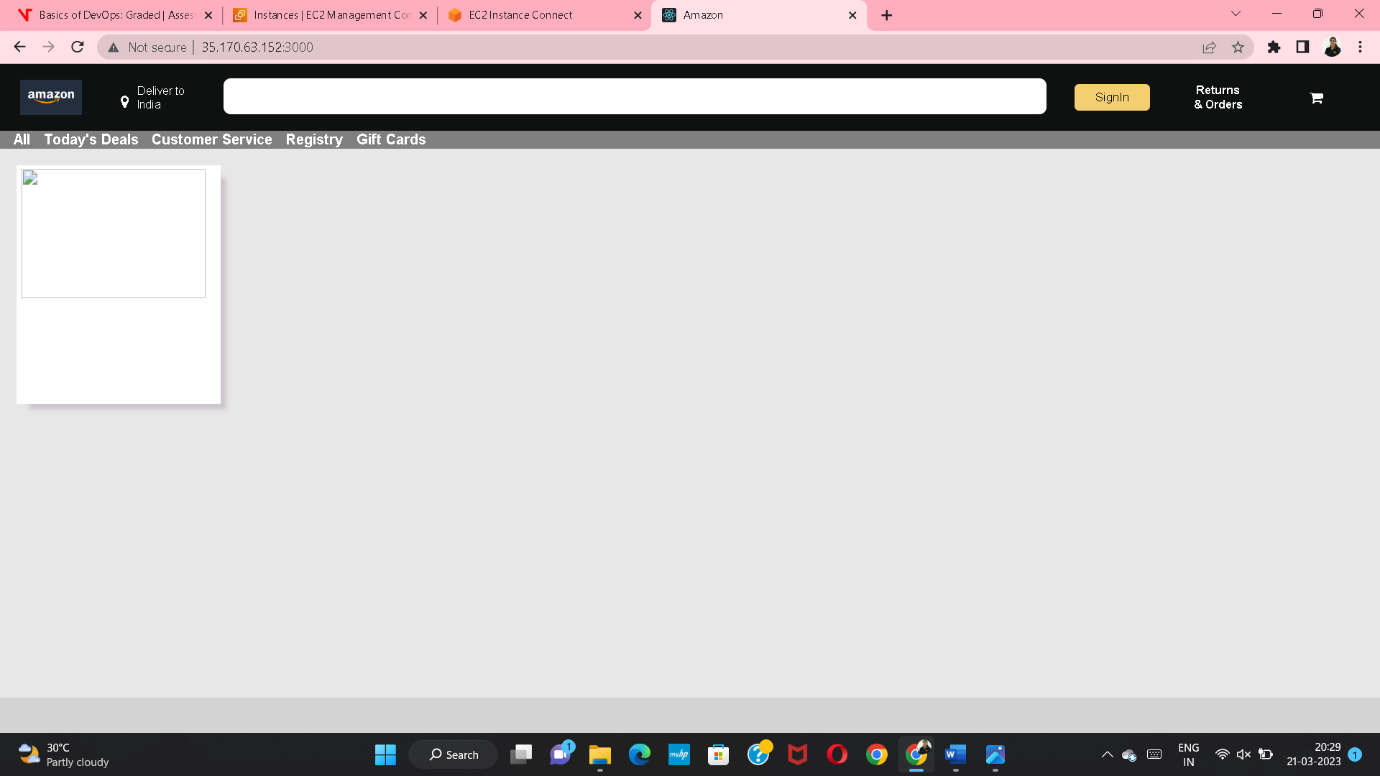
COPY IPV4 ADDRESS



PASTE IPV4 ADDRESS WITH PORT

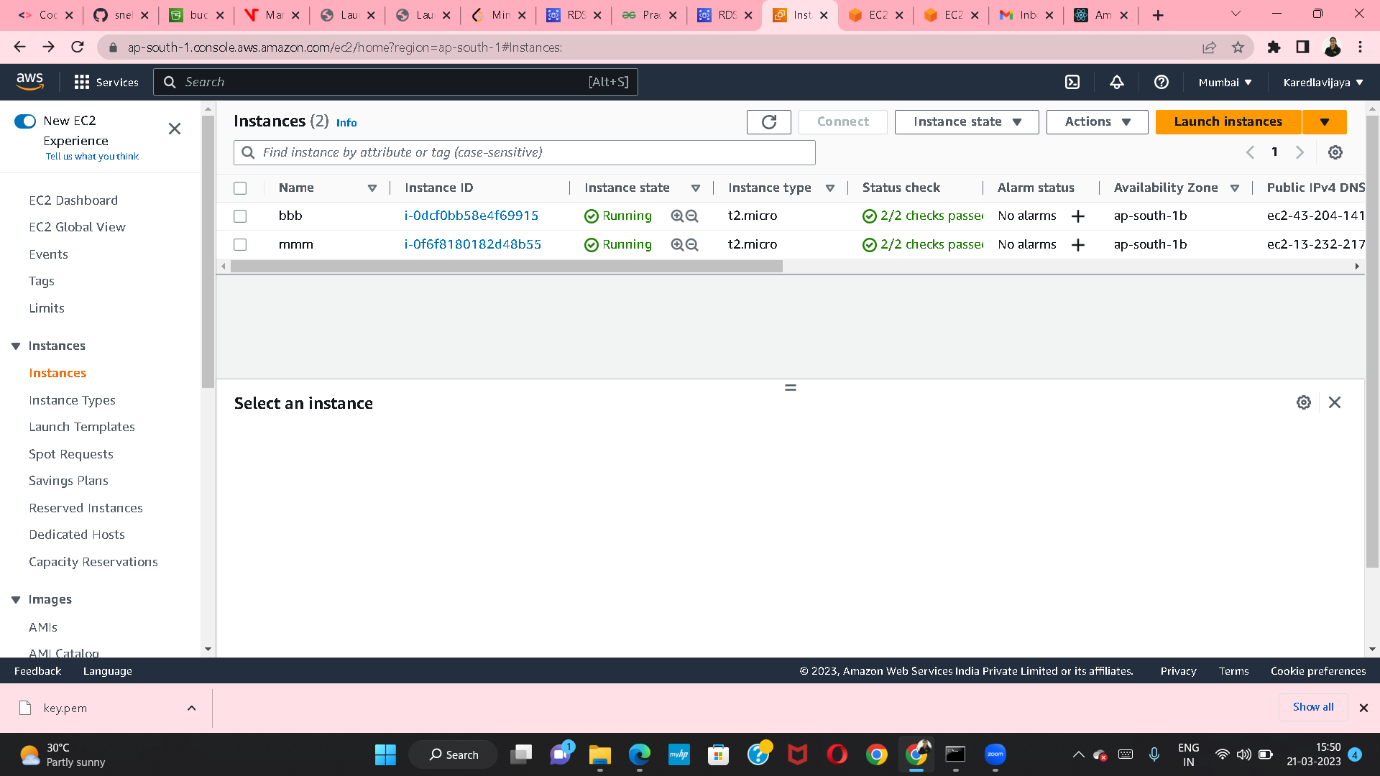


CREATED THE EC2 INSTANCE AND DEPLOYED THE APPLICATION

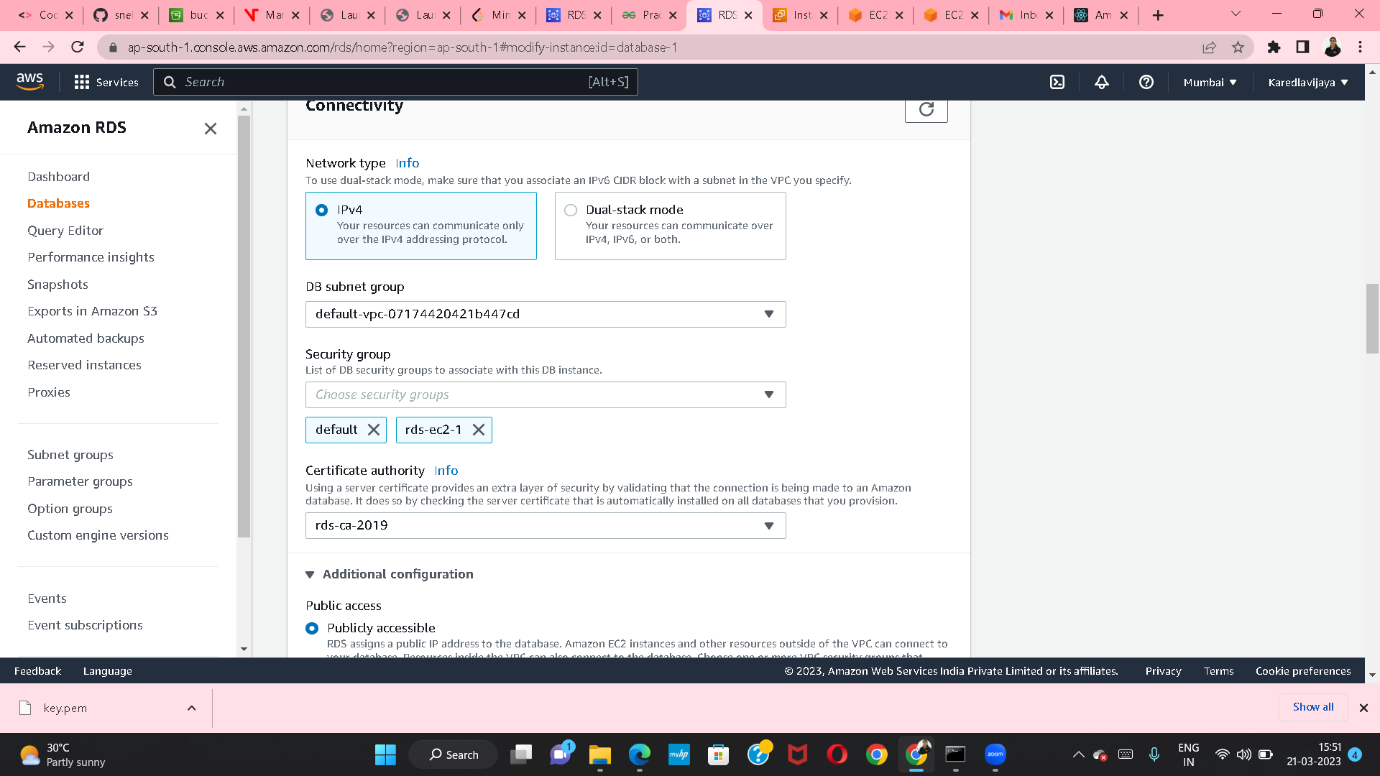


Q3. Create a RDS connection with ec2 instance and use it to create an SQL database and a sample table.

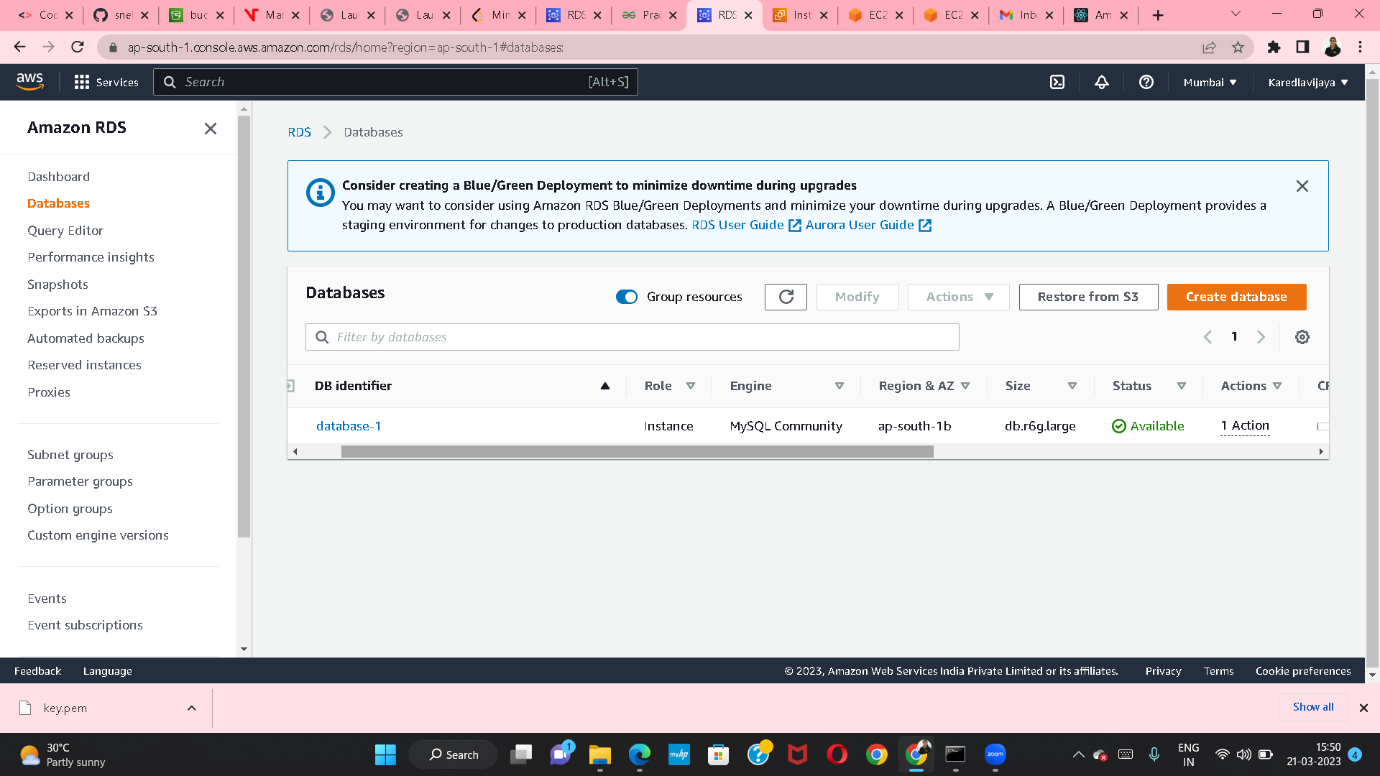
INSTANCE SHOULD BE CREATED WITH UBUNTU IMAGE



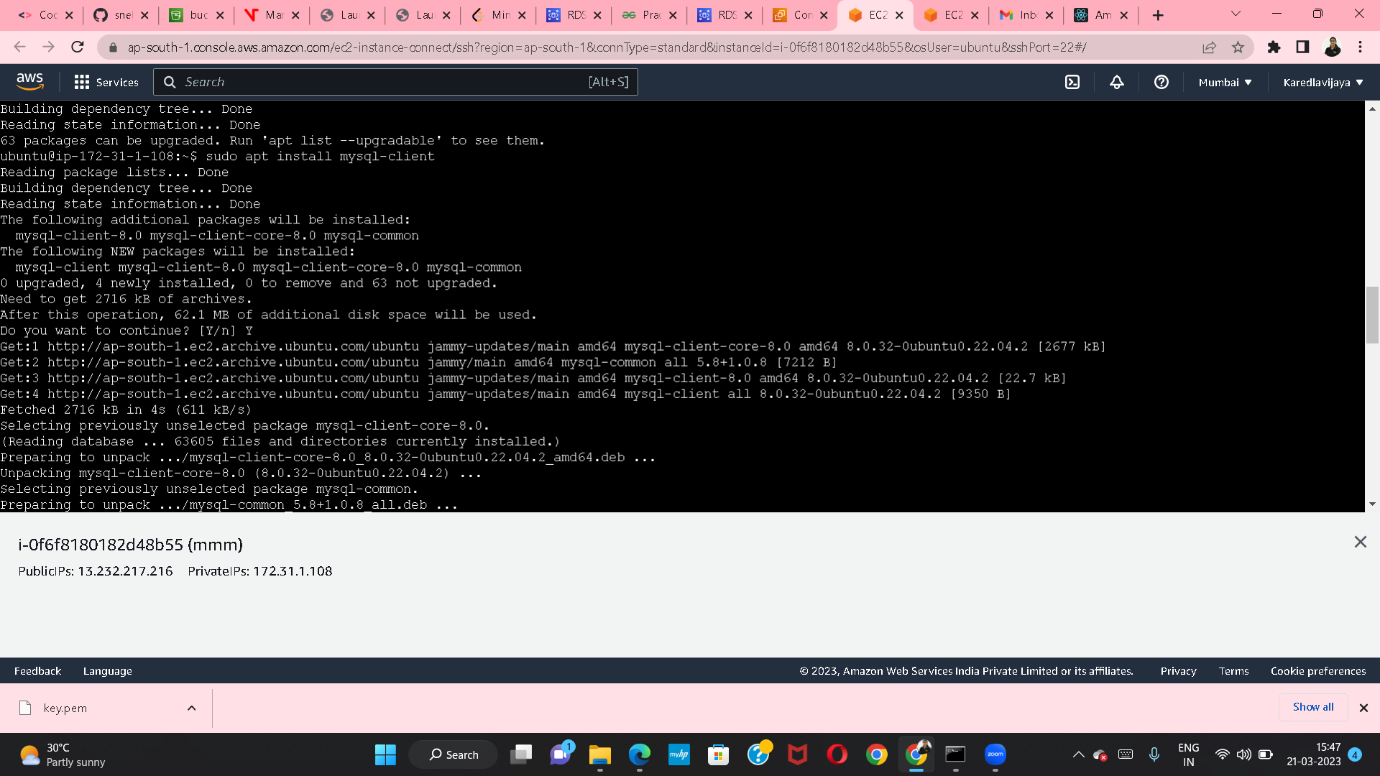
DATABASE SHOULD BE CREATED



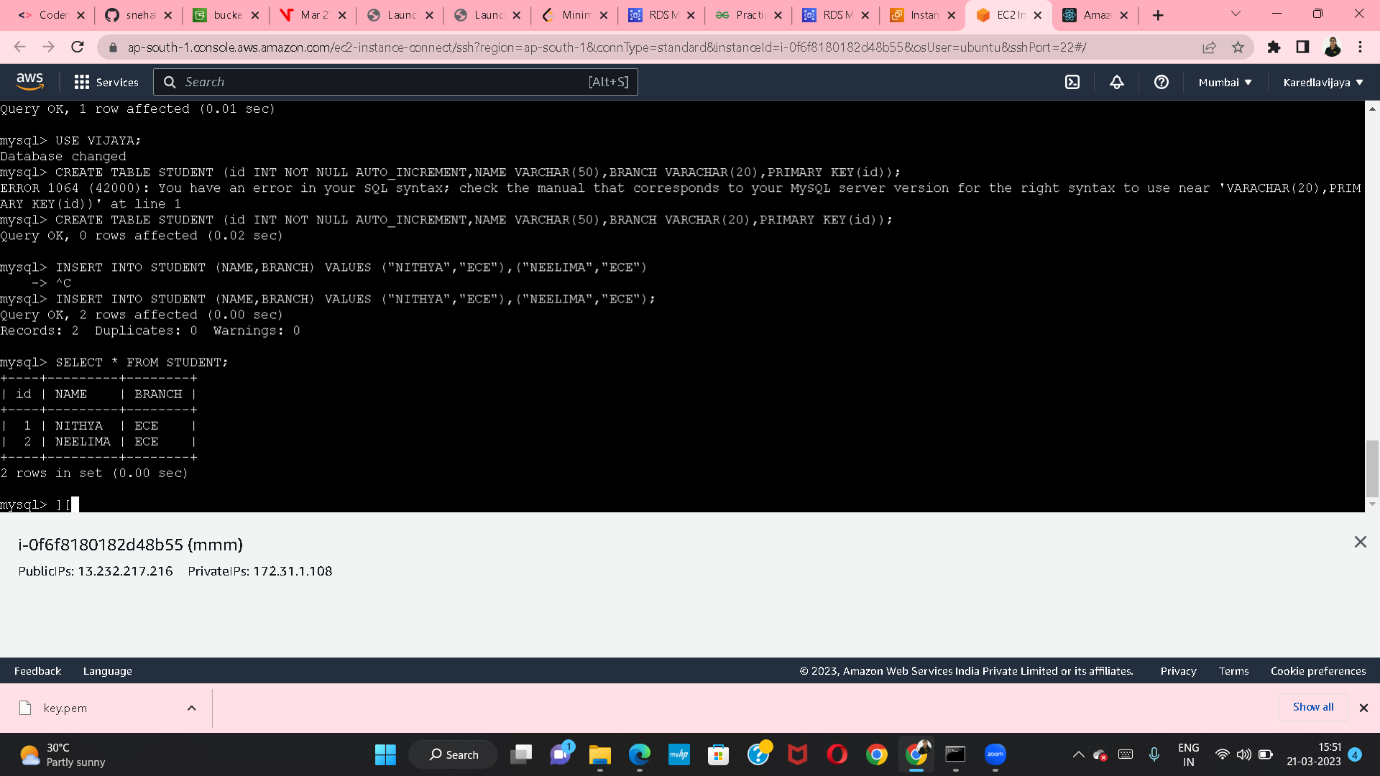
THEN SELECT SECURITY GROUP AND EDIT INBOUND RULES

CREATED DATABASE

THEN MAKE PUBLIC THE RDS AND SWITCHED TO EC2CONFIGURATION

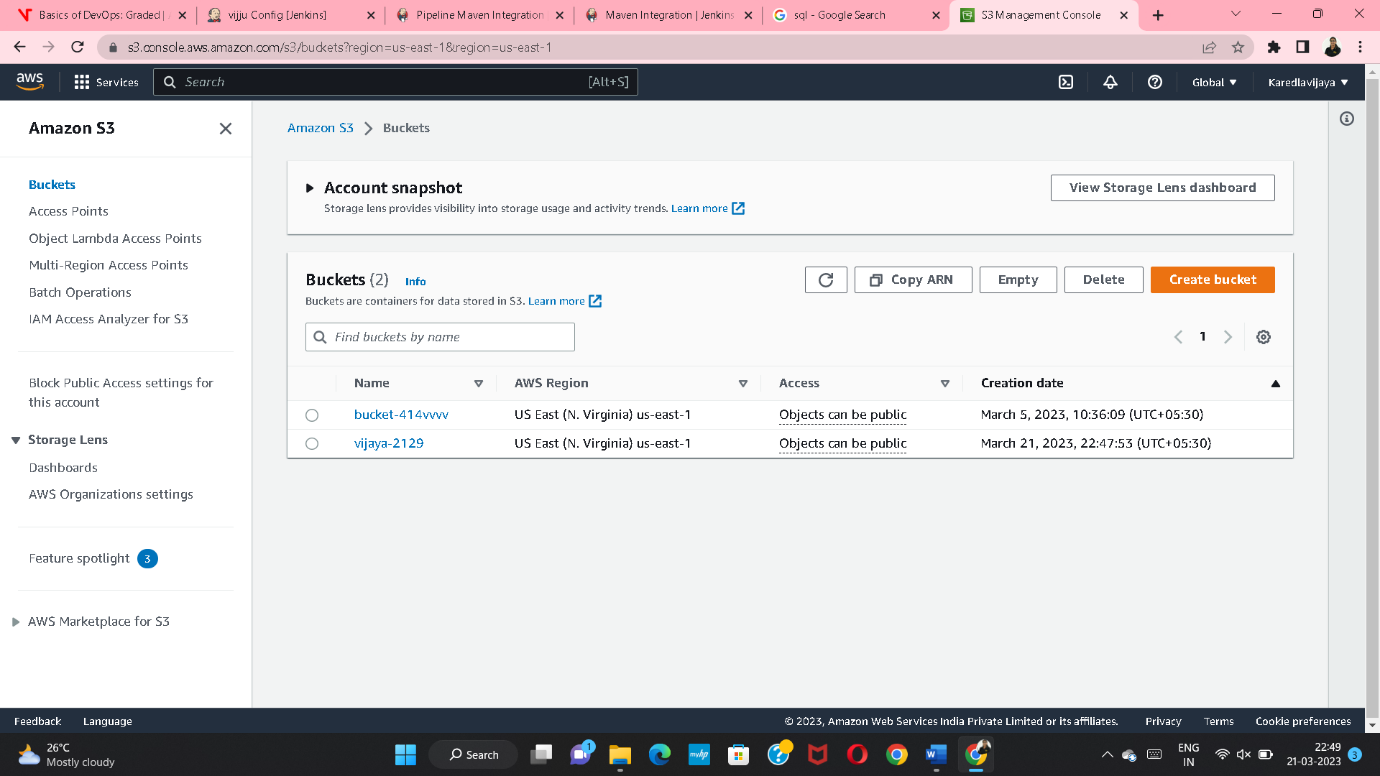


THEN CONNECT THE EC2 INSTANDS AND RUN THE COMMANDS

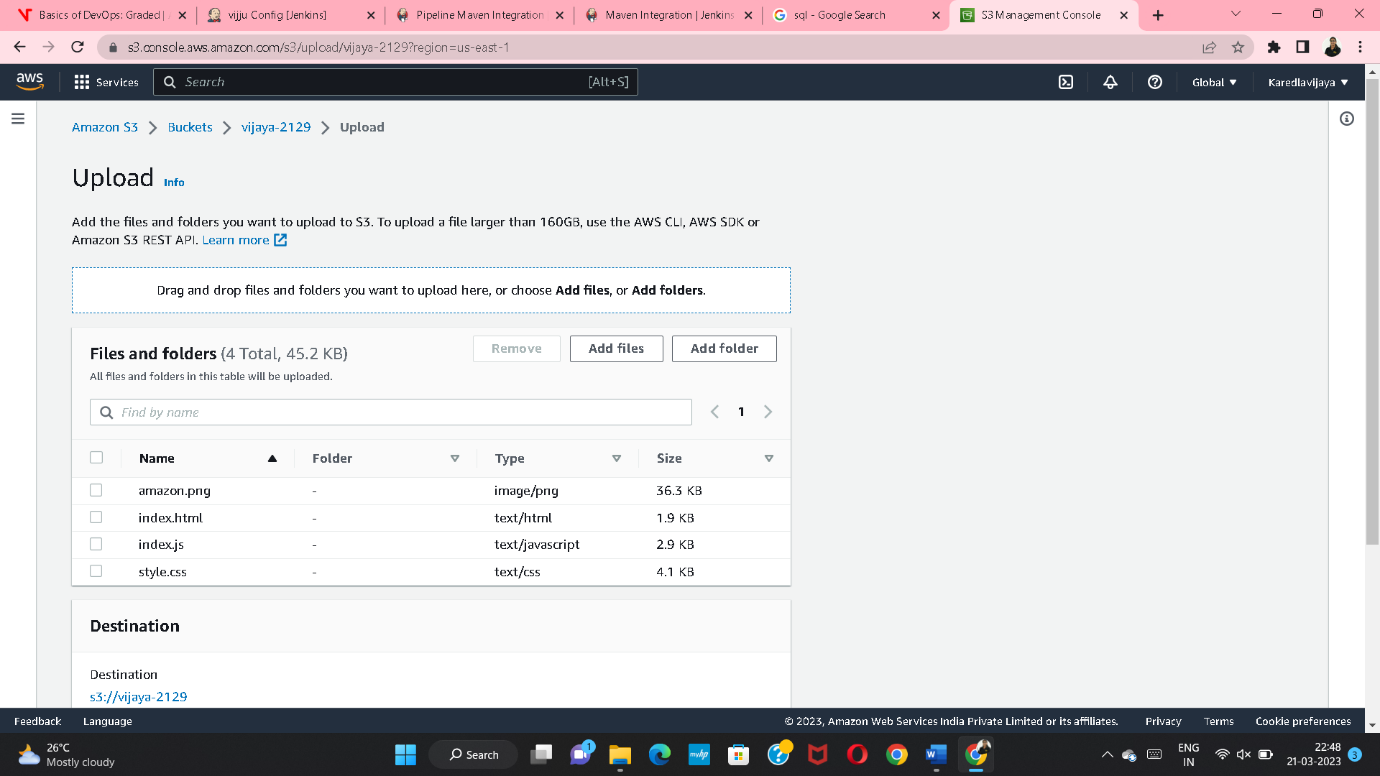
FINALLY CREATE A TABLE USING SQL(Strcutural query language)

Q4. Create an S3 bucket and deploy the REACTJS static application on it and provide with the public URL for use.

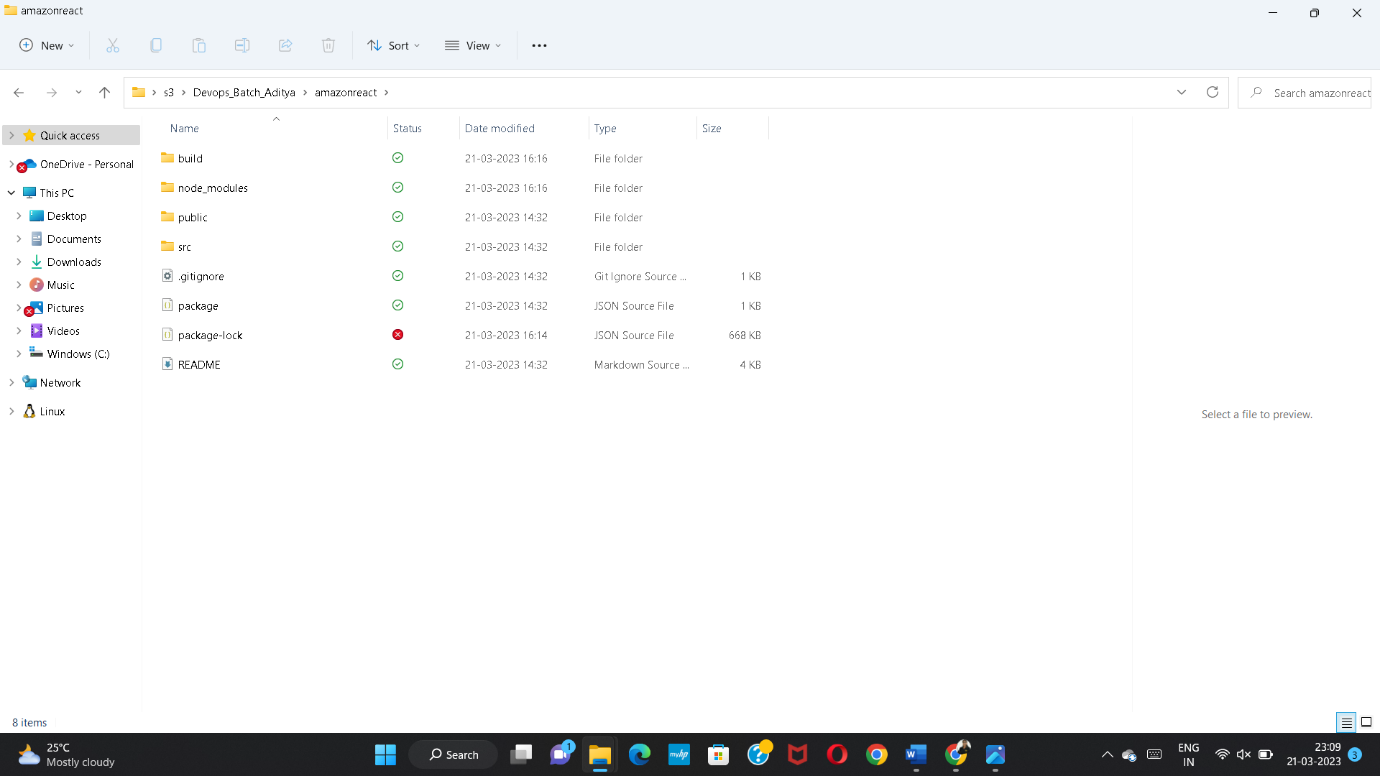
CREATED AN EMPTY BUCKET

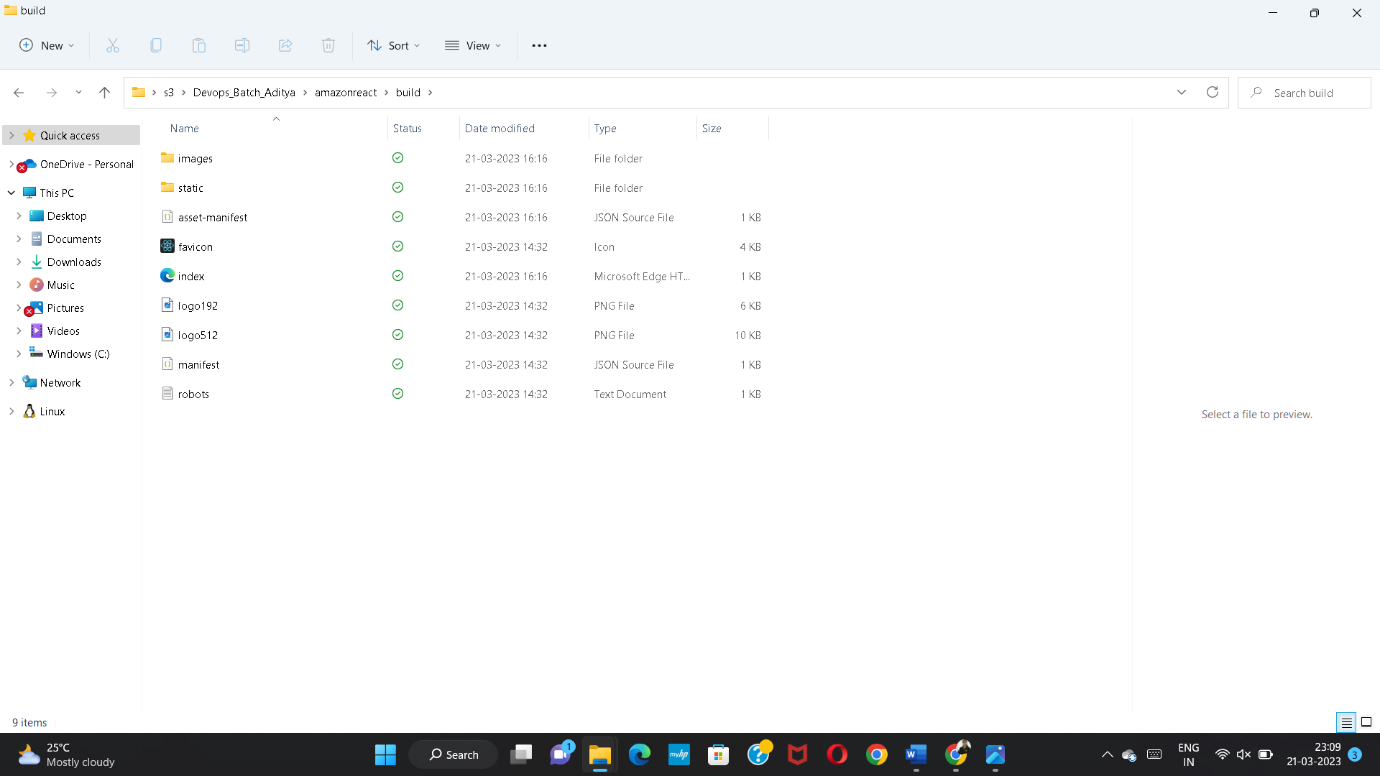


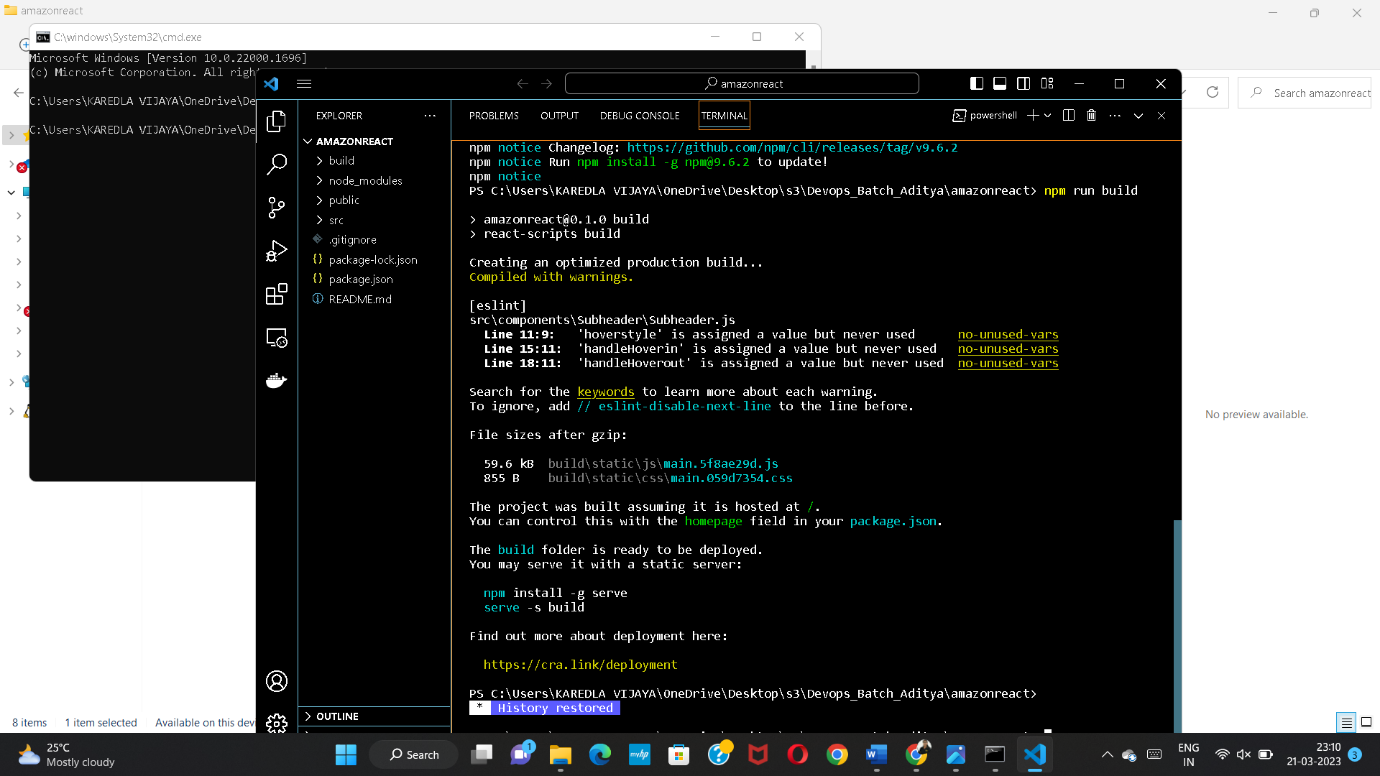
UPLOAD THE OBJECTS INTO THE BUCKET



\*CREATE A BUILD FOLDER IN VS CODE

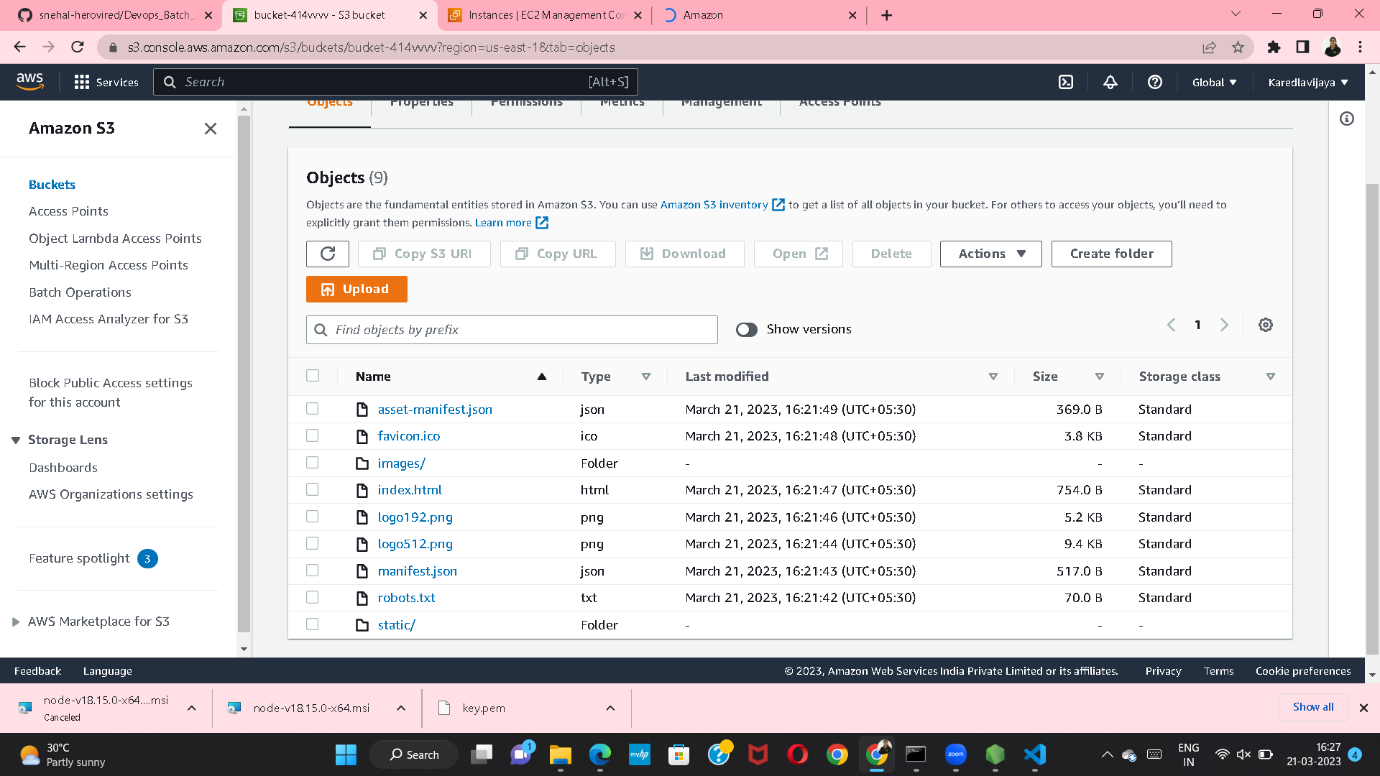


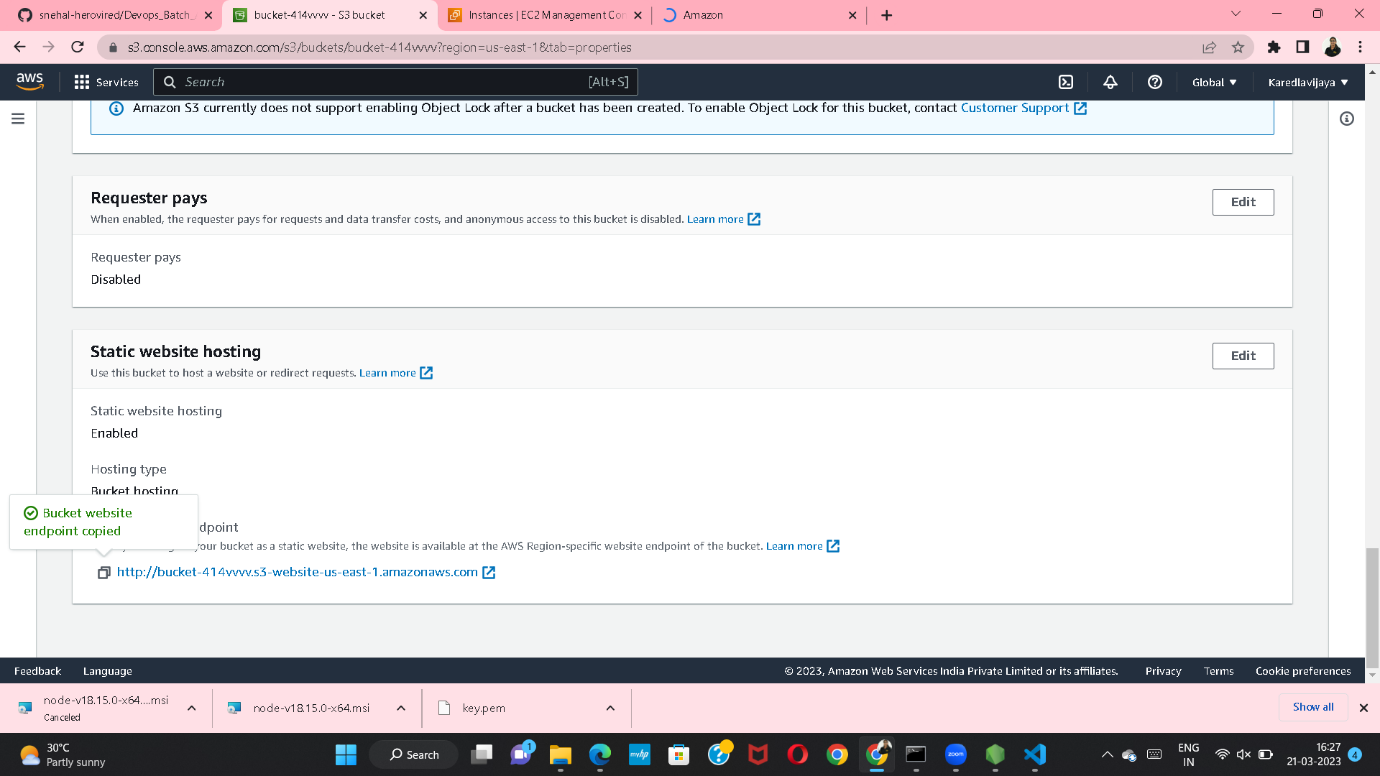




ENABLE STATIC WEBSITE HOSTING,AND MAKE PUBLIC THE OBJECTS







THEN COPY OBJECT URL AND PASTE IN THE NEWTAB

