Project Design Phase-I

Solution Architecture

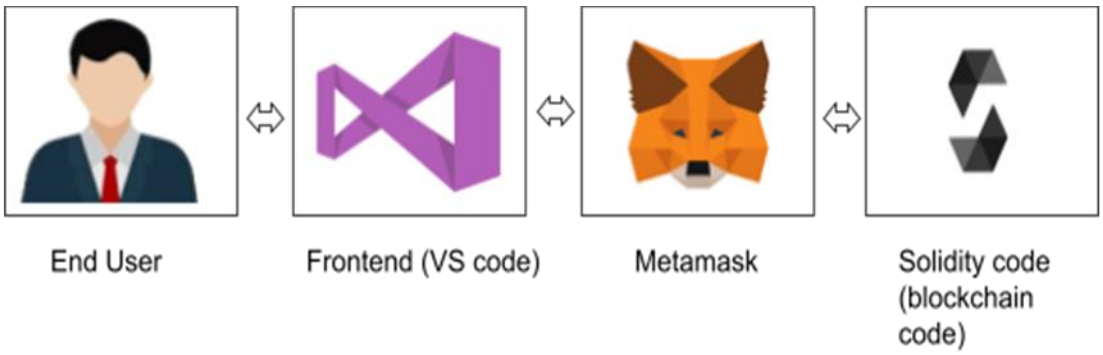
Date	19 September 2022
TEAM ID	75AAE42A61B3A6C9B9D4C495DC4F2542
Project Name	Transparent Education Data Management
Maximum Marks	4 Marks

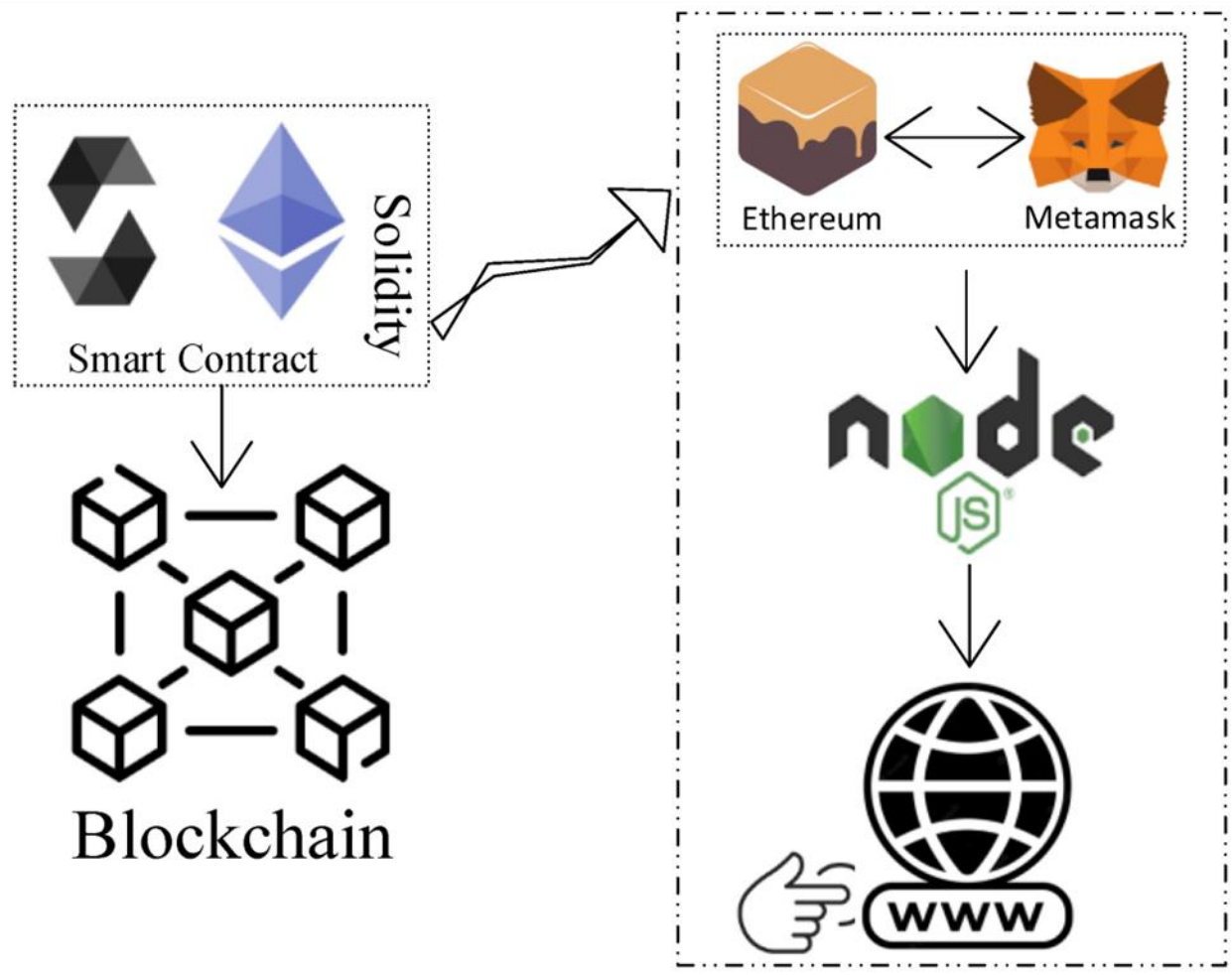
Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

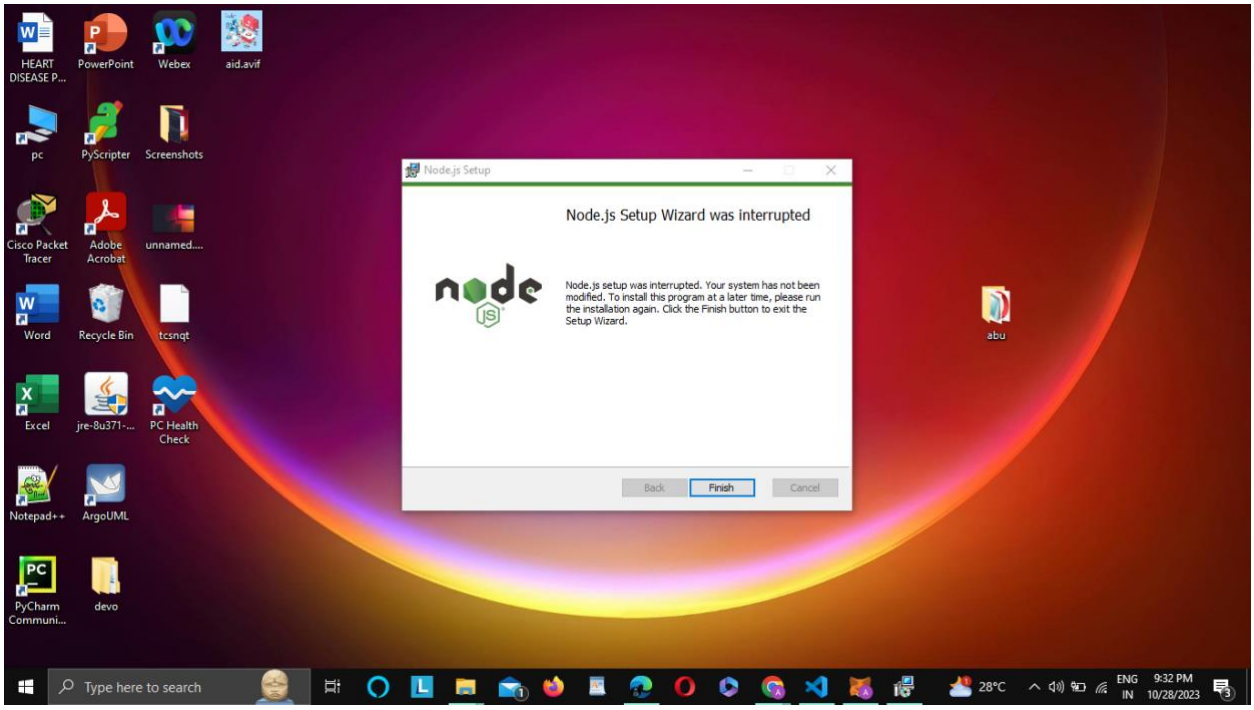
Example - Solution Architecture Diagram:



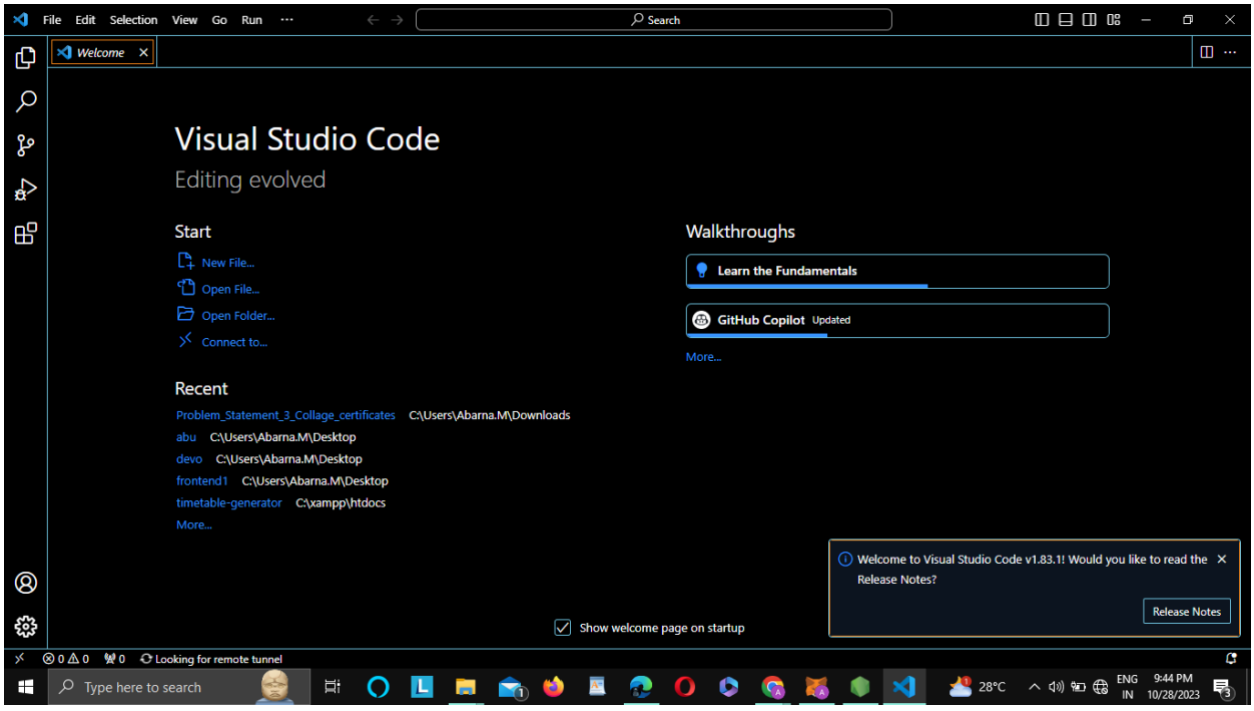


Prerequisite

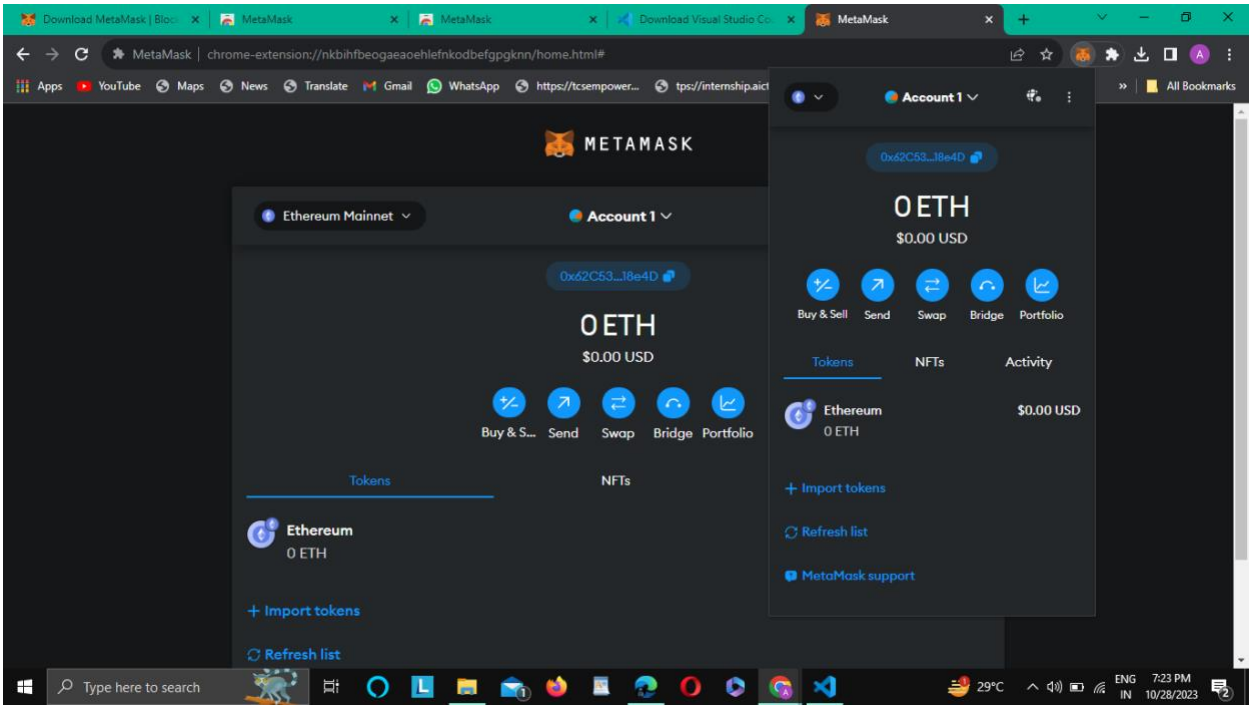
1 **download node.js : [Node.js]**



2 **download vs code: [Li4nk]**



3 download metamask : https://metamask.io/

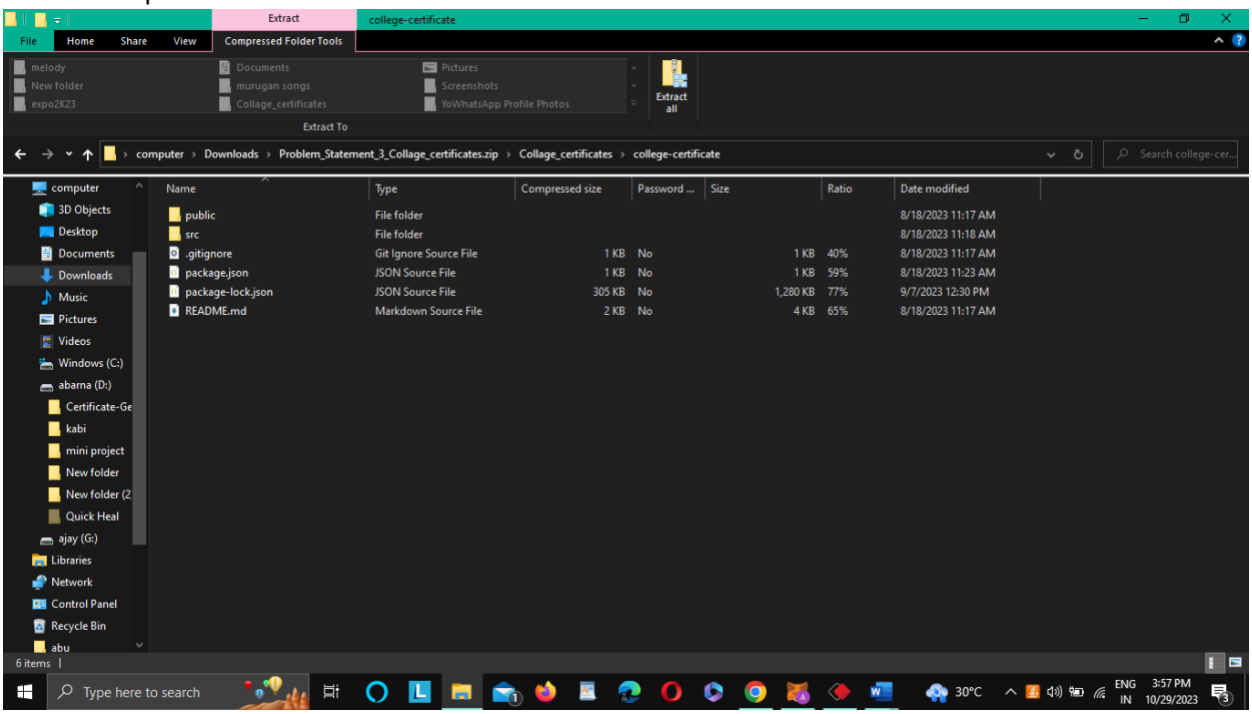


Steps to complete the project

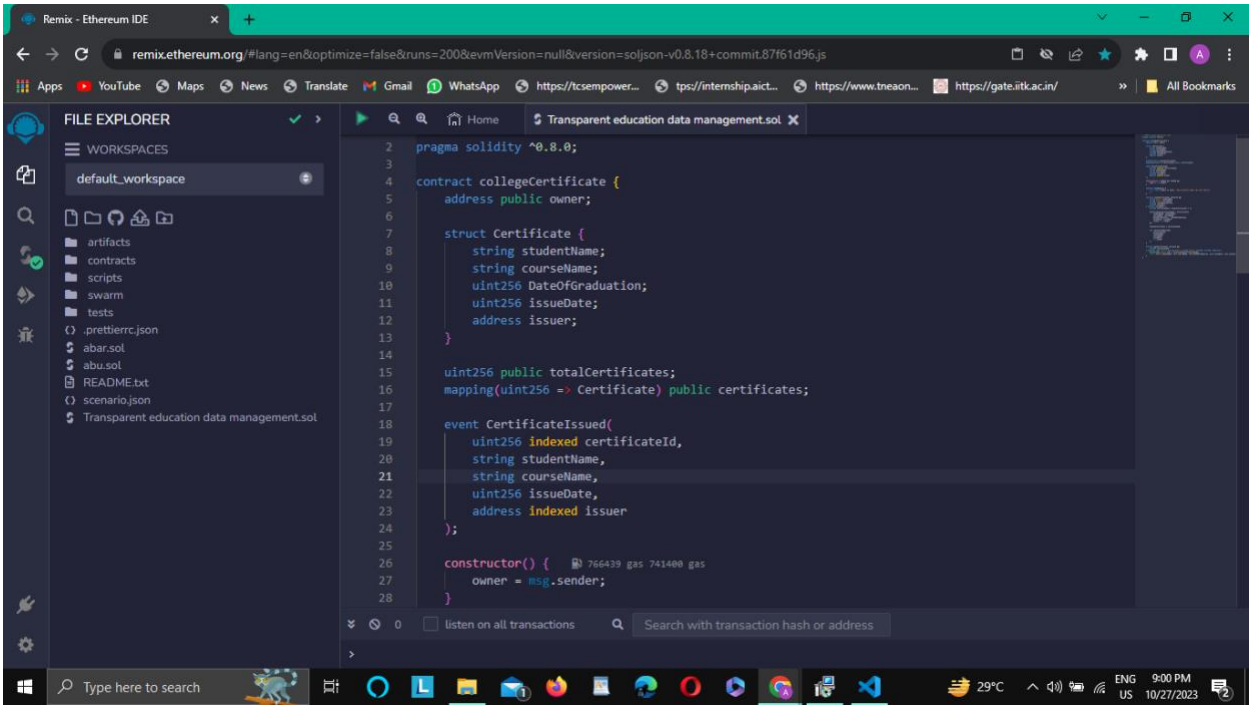
Step 1:-

1. Open the Zip file and download the zip file.

Extract all zip files



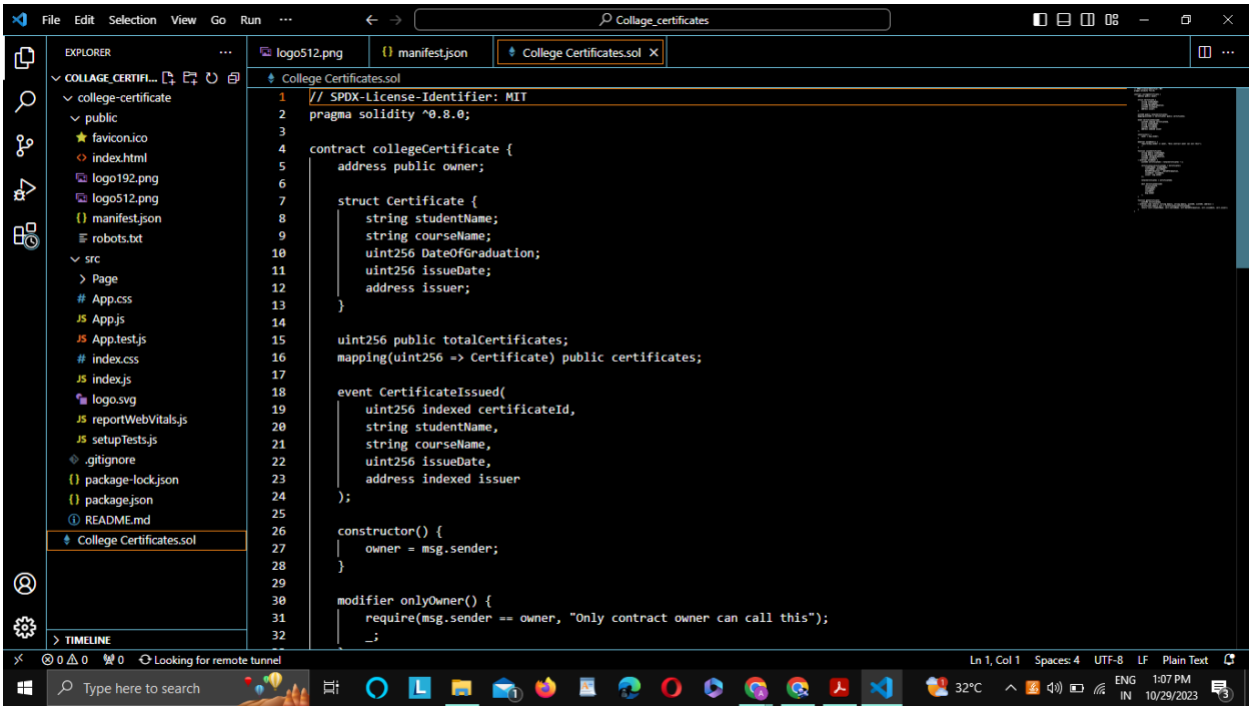
Step 2 : Select the projectname.sol file and copy the code.



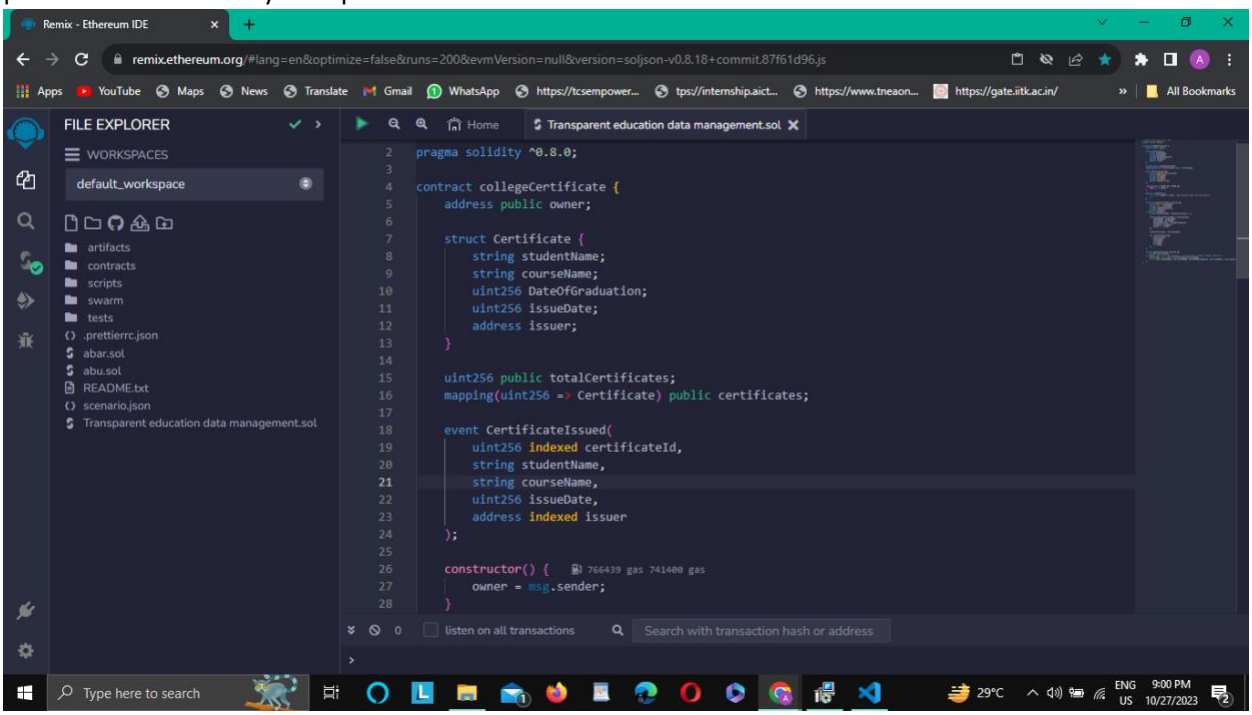
Step 2 :

1.Open vs code in the left top select open folder. Select extracted file and open .

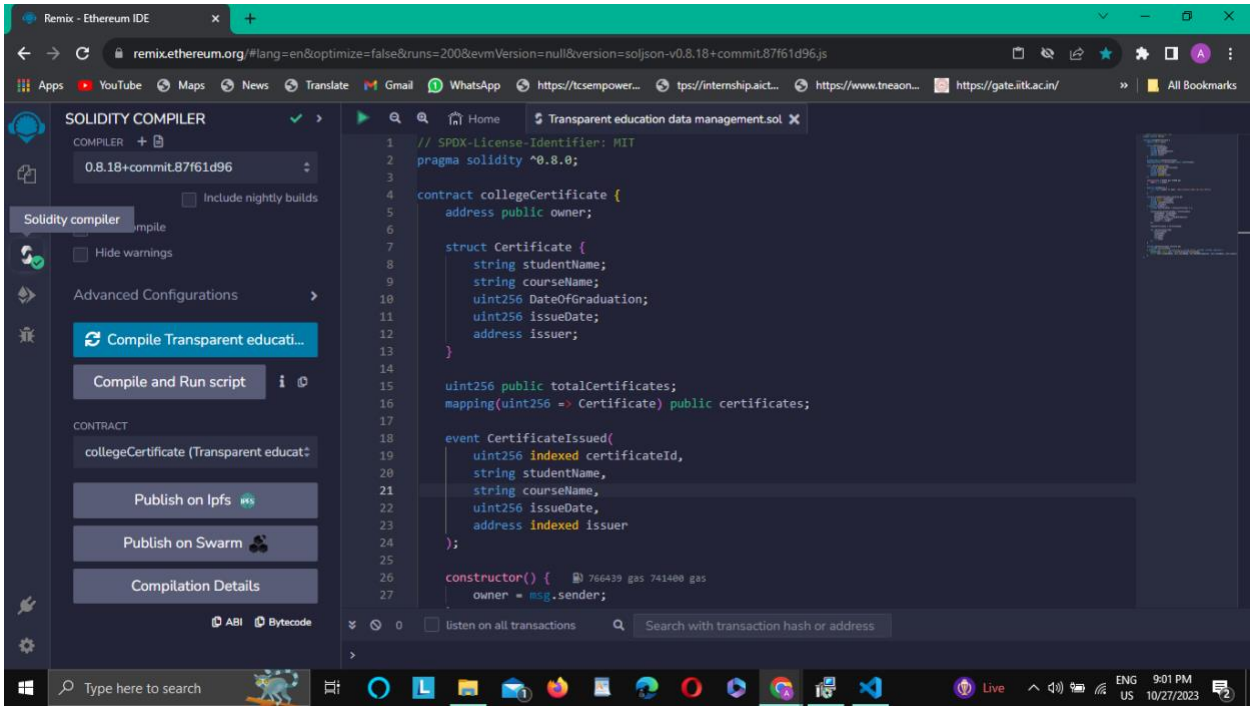
2 Select the projectname.sol file and copy the code.



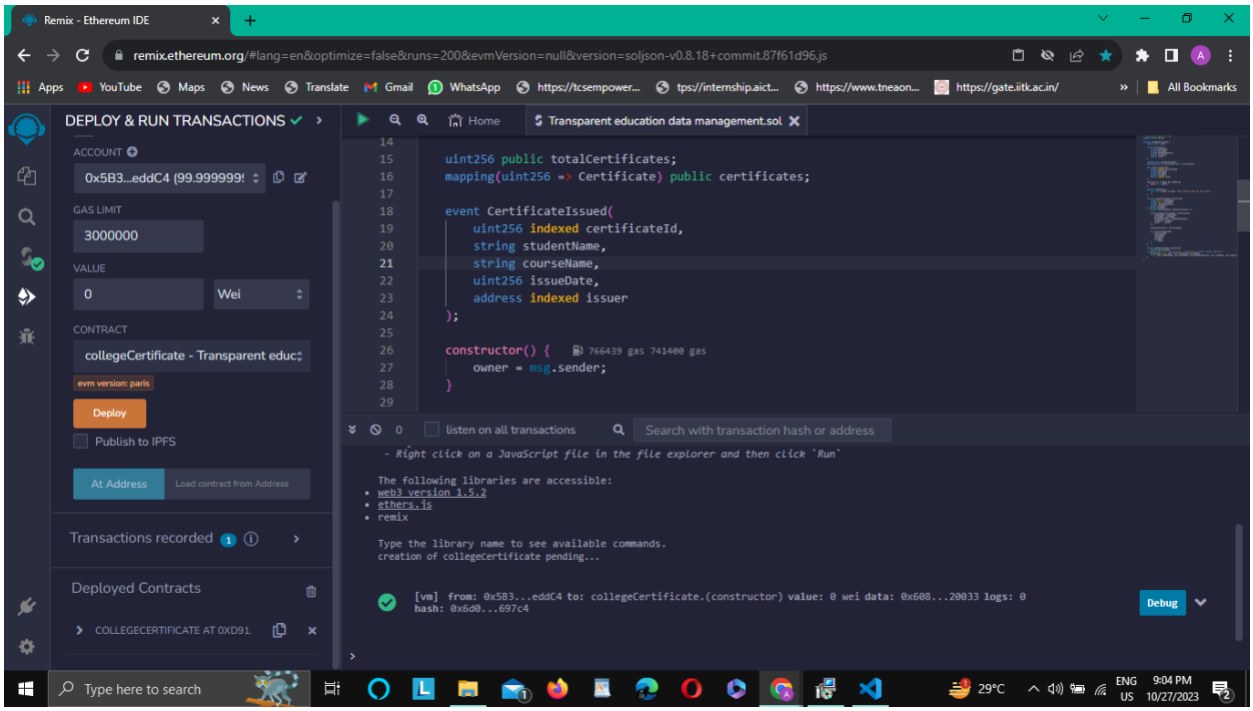
3 Open the remix ide platform and create a new file by giving the name of projectname.sol and paste the code which you copied from vs code.



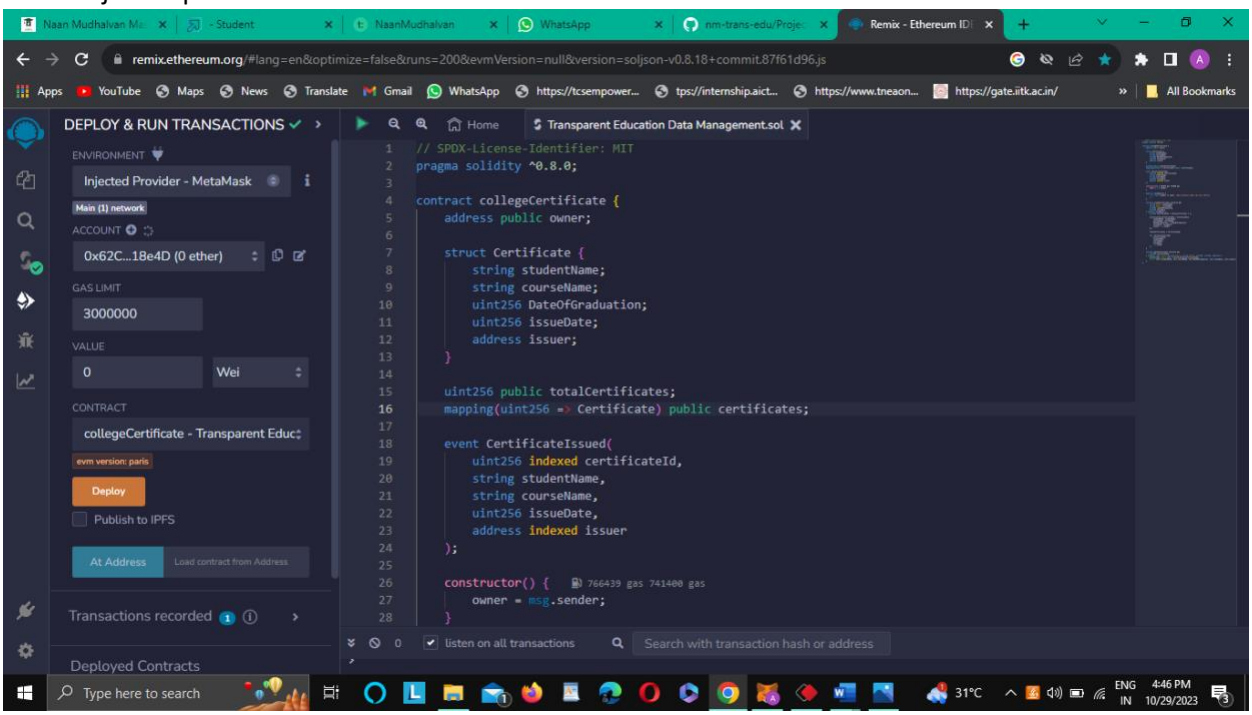
4 Click on solidity compiler and click compile the projectname.sol



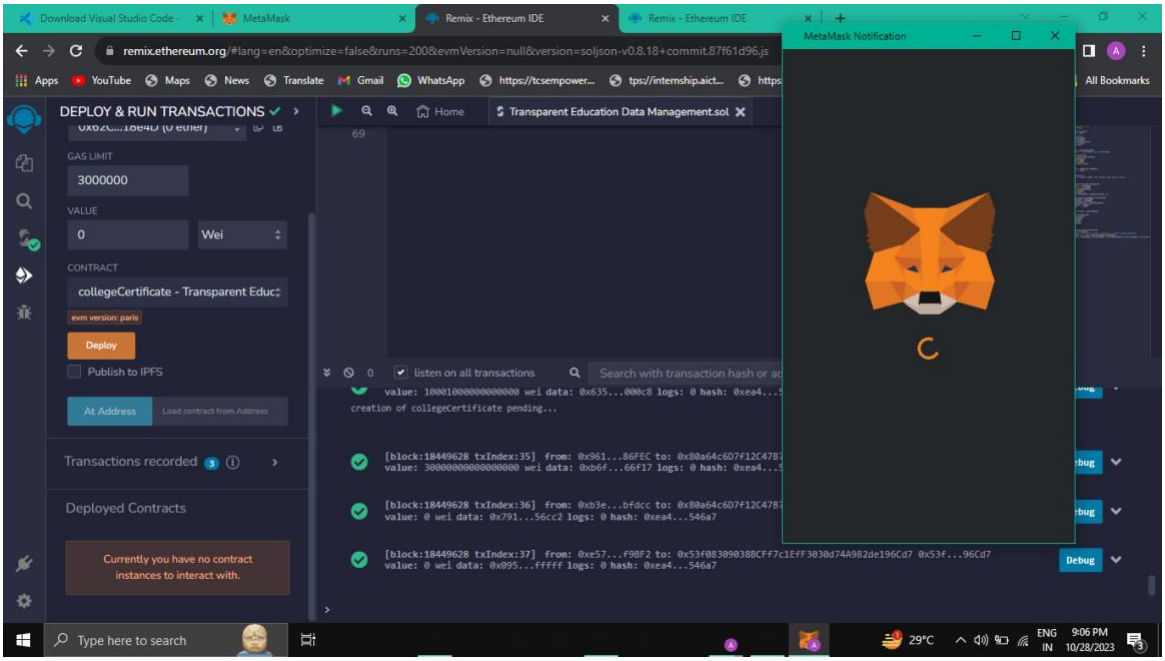
5 Deploy the smart contract by clicking on the deploy and run transaction.



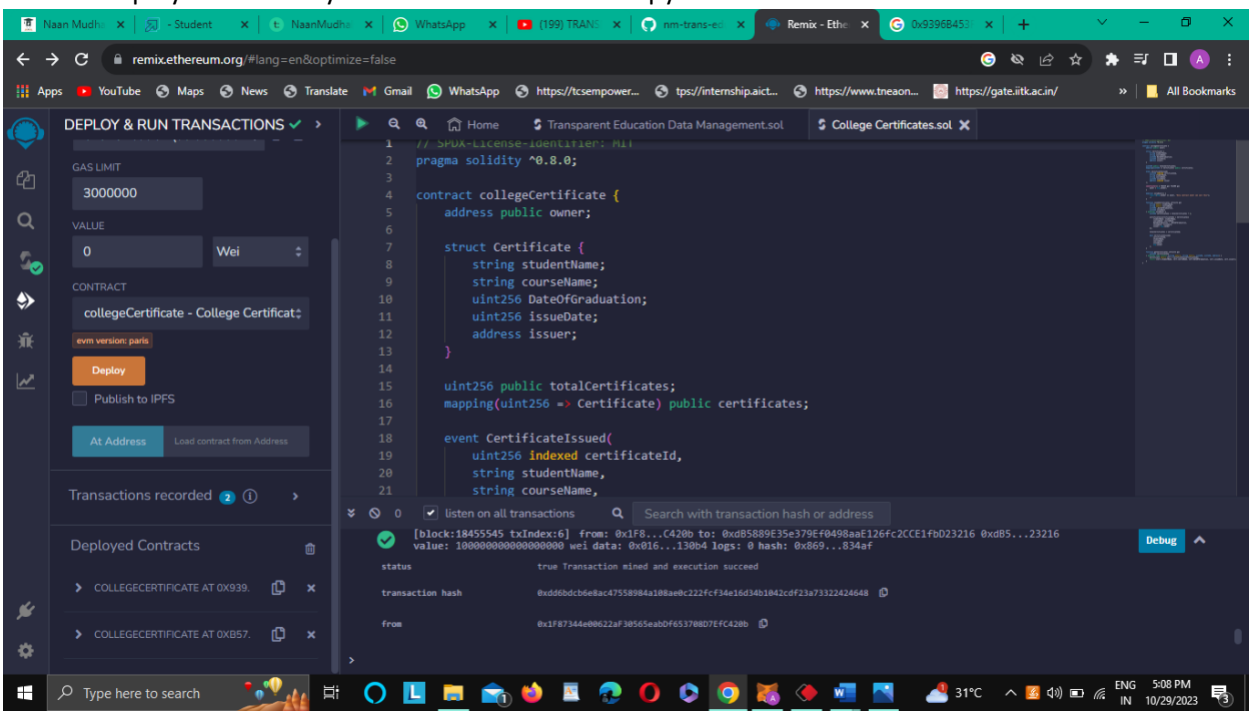
6 select injected provider - MetaMask. In environment



7 Click on deploy. Automatically MetaMask will open and give confirmation. You will get a pop up click on ok



8 In the Deployed contract you can see one address copy the address.

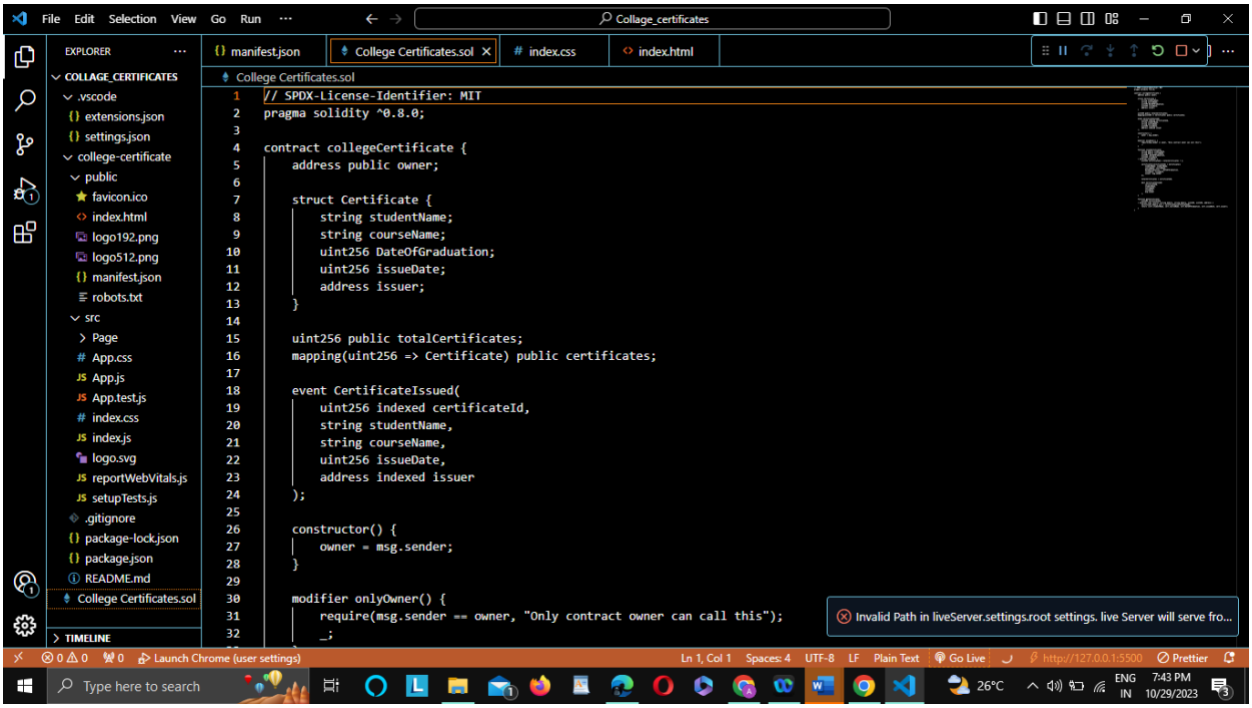


9 Open vs code and search for the connector.js. In contract.js you can paste the address at the bottom of the code. In export const address.

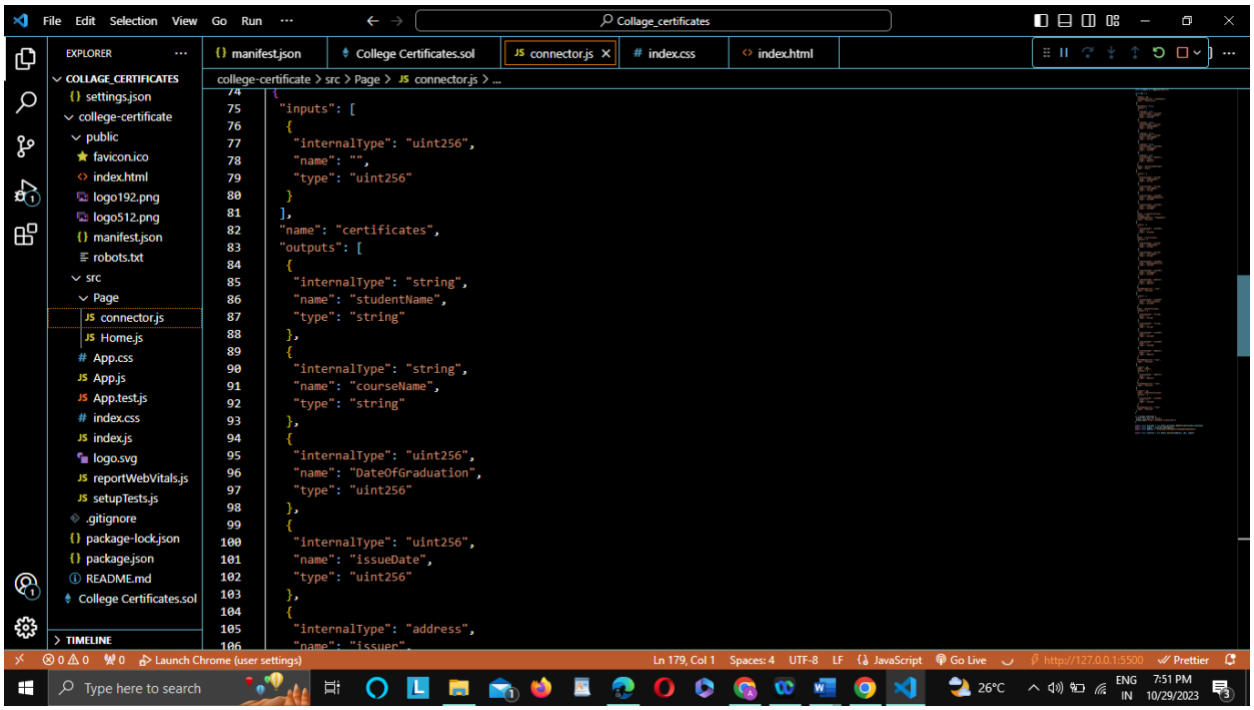
10 Save the code

Step 3: open file explorer

1. Open the extracted file and click on the folder.



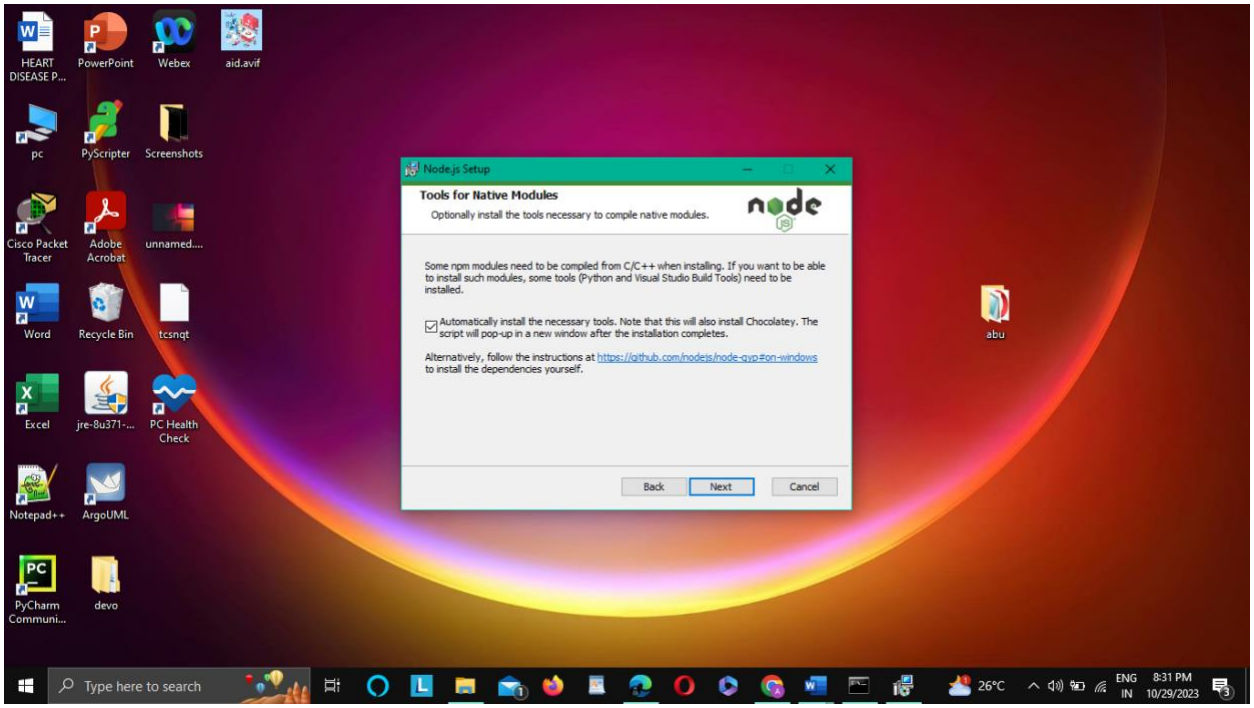
2. Open src, and search for utiles.



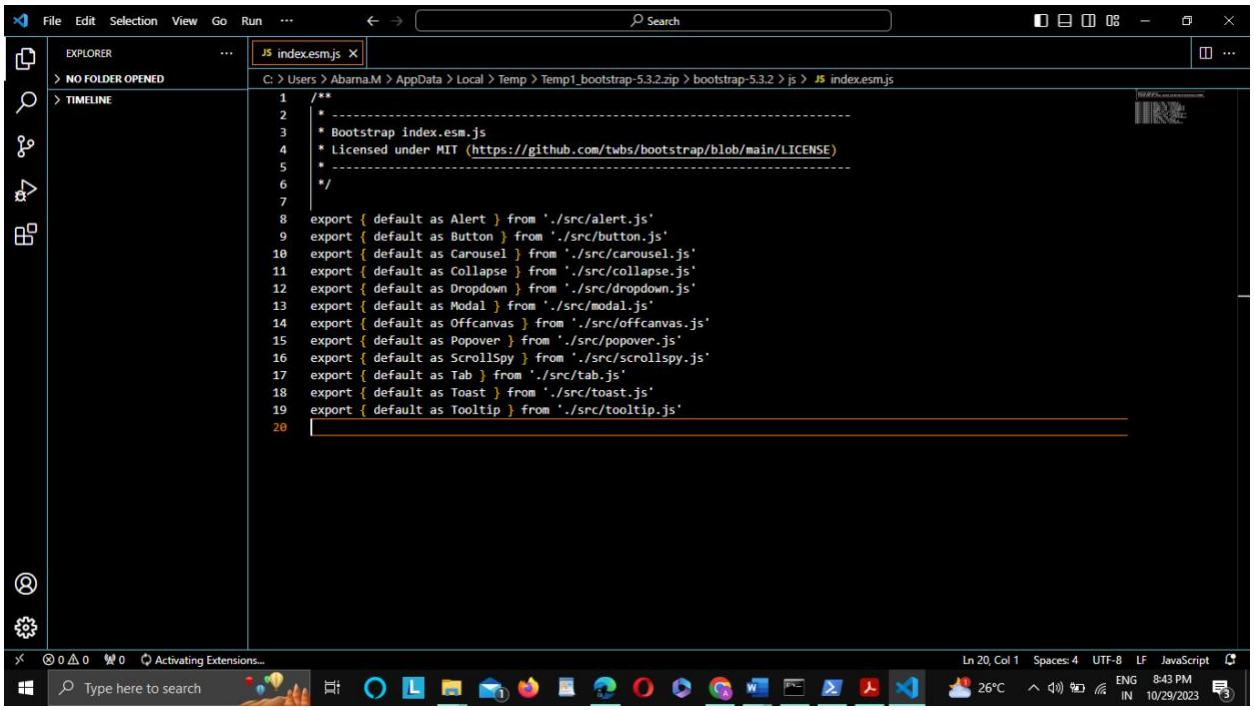
3 . You can see the frontend files. Select all the things at the top in the search bar by clicking alt+ A. Search for cm

3. Open cmd enter commands

npm install



npm bootstrap



npm start

4. It will install all the packages and after completing it will open {LOCALHOST IP ADDRESS} copy the address and open it to chrome so you can see the frontend of your project

5.