**How To Document:**

Please run “git lfs install” as model file is larger than 100MB

1. **Setup in Local:**

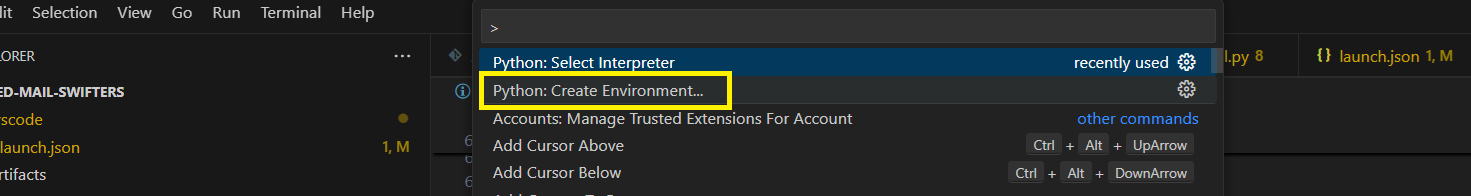
Install Python

Open code in VS Code

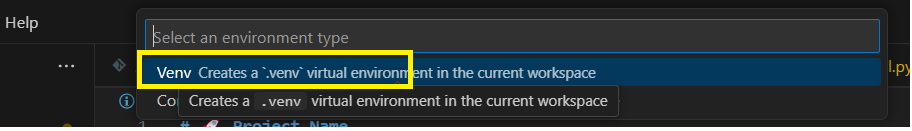
Go to View -> Command Palette

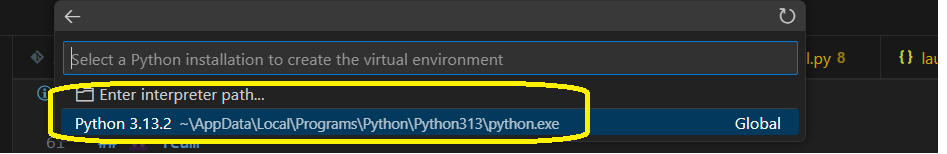
A screenshot of a computer

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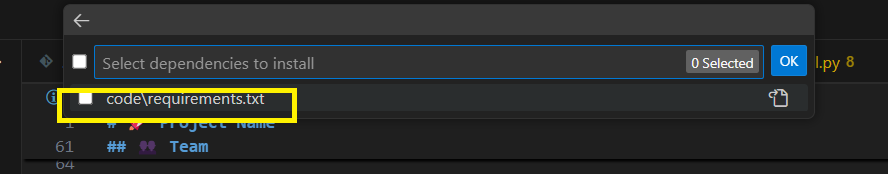
Click on create environment  


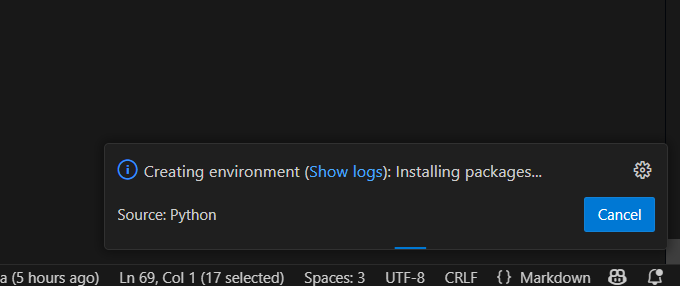
Select Venv



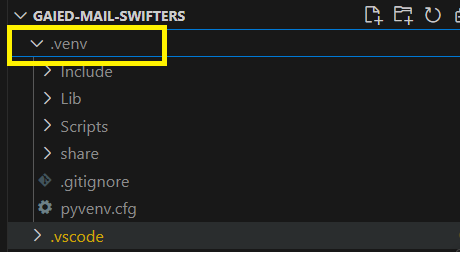
Choose interpreter  


Choose requirements file



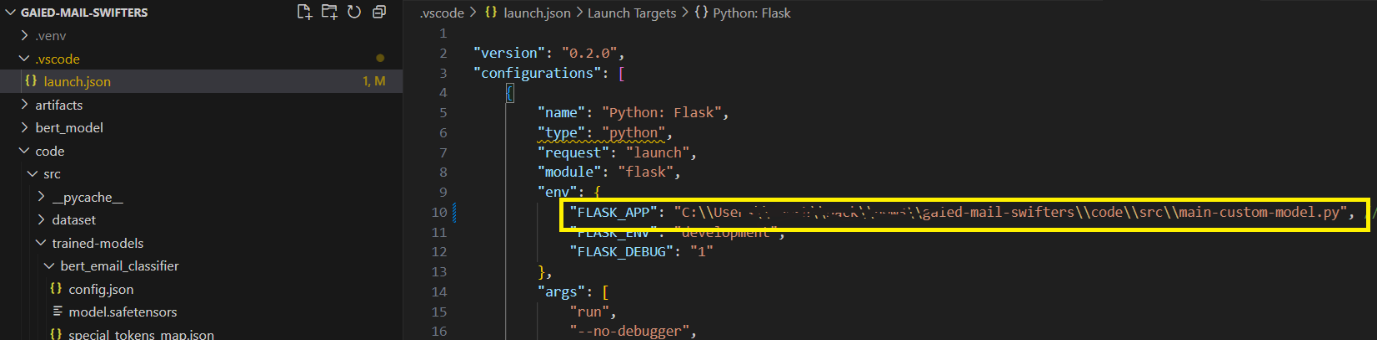
And click OK, it takes a while to create virtual environment  


Once done we can see .venv folder



Creating this virtual environment is optional, if not created it will get the python packages from system, we may get into version issues.

Update this path as per local machine in .vscode -> launch.json



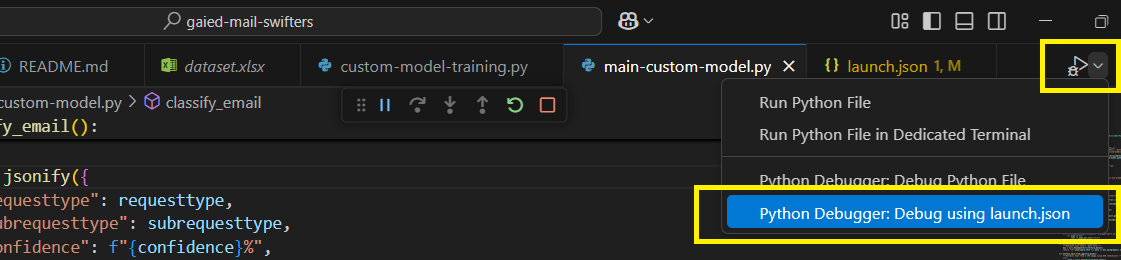
1. **Classification API**

Open “main-custom-model.py” file under “code\src\main-custom-model.py”

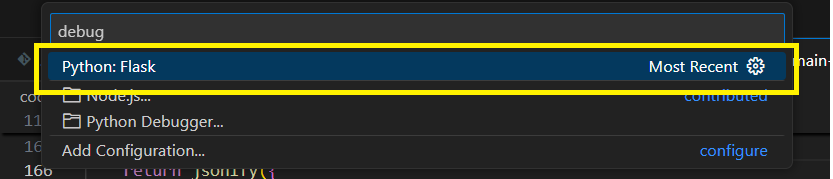
From VS Code -> Run -> Choose either Run Without Debugging or Start Debugging, To debug

A screenshot of a computer

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From command palette choose flask if debugging



1. **Postman Sample Request:**

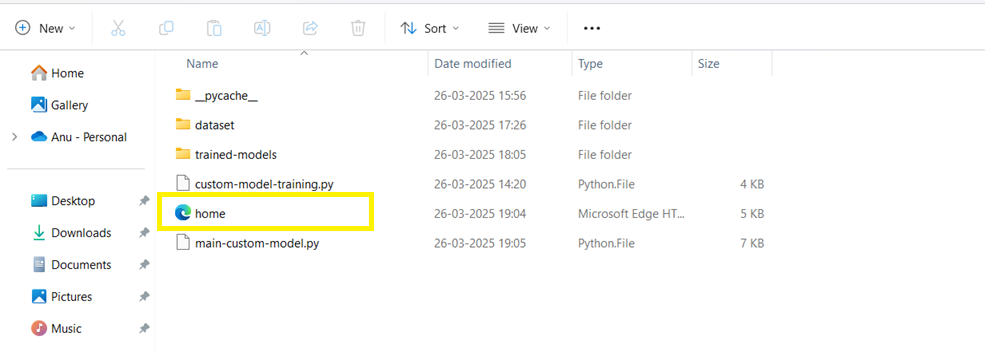
We can take the running host url from VS Code terminal

A screen shot of a computer

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1. **UI Part**

Go to -> code\src\home.html to open home.html in browser



In browser:

A screenshot of a computer

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Choose .eml/.docx/.pdf/.jpg file and click on upload

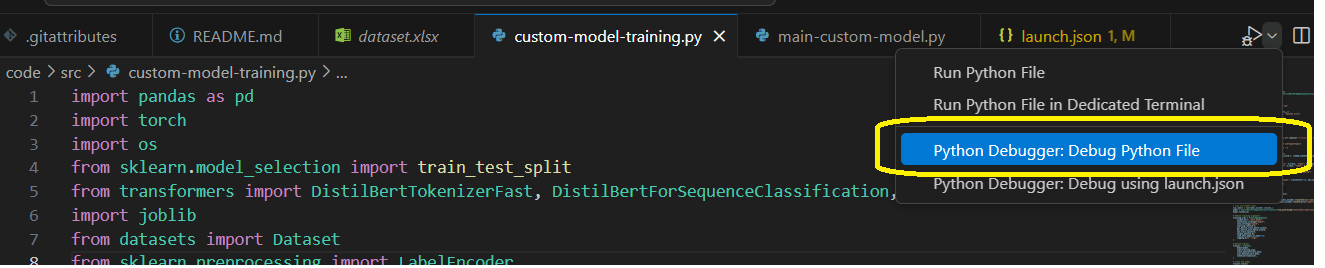
A screenshot of a computer screen

AI-generated content may be incorrect.

1. **[Optional if we change dataset] Model training:**

We have used BERT Transformer model and trained that using dataset under “code\src\dataset\dataset.xlsx”

To train model open “code\src\custom-model-training.py” file and in VS Code go to Run -> either Start Debugging or Run Without Debugging, if debugging option is chosen then use this option



When execution is done it will save trained model files under “code\src\trained-models” path