St. JOSEPH'S GROUP OF INSTITUTIONS
OMR, CHENNAI - 119

aws

Placement Empowerment Program
Cloud Computing and DevOps Centre

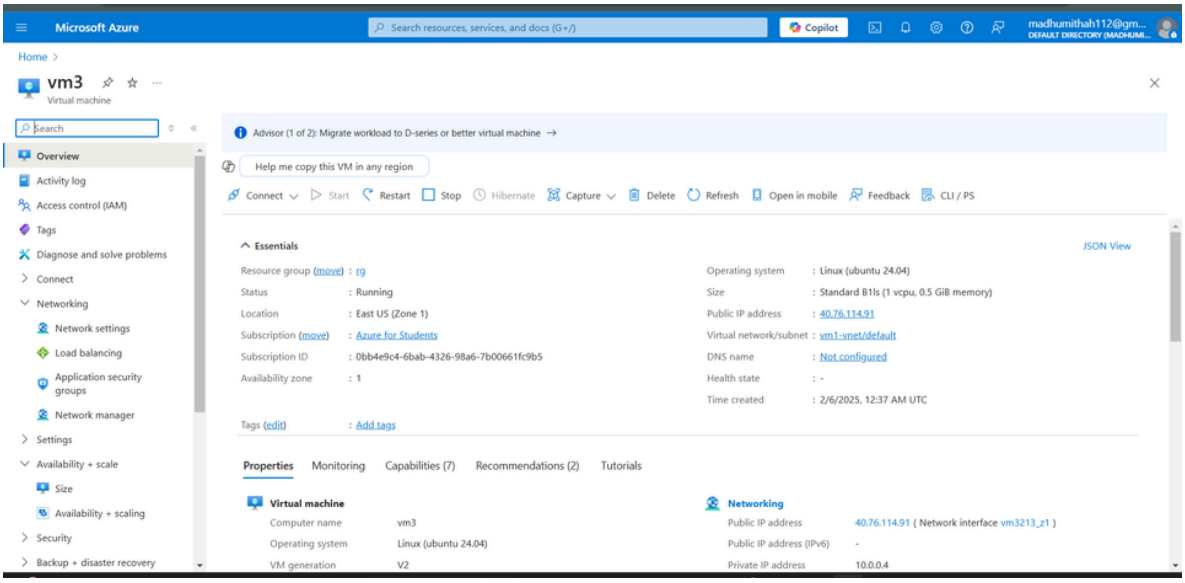
Deploy a Web Application on the CloudWrite a Python Flask application and deploy it on your cloud VM. Configure the firewall to allow HTTP traffic.

Name:Madhumitha.H

Department:ADS

St. JOSEPH'S COLLEGE OF ENGINEERING | St. JOSEPH'S INSTITUTE OF TECHNOLOGY
AUTONOMOUS INSTITUTIONS, AFFILIATED TO ANNA UNIVERSITY

Step 1: create a new vm in the azure portal

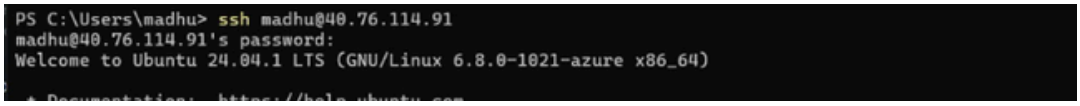


Step 2:

connect to your vm using ssh in terminal

command:ssh username@vm-public-ip

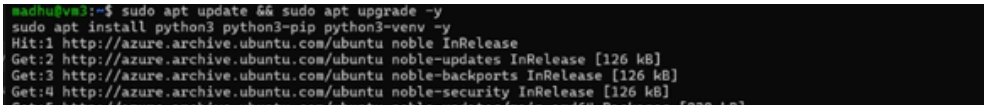
connect to it using your password or ssh key



Step 3:

jr

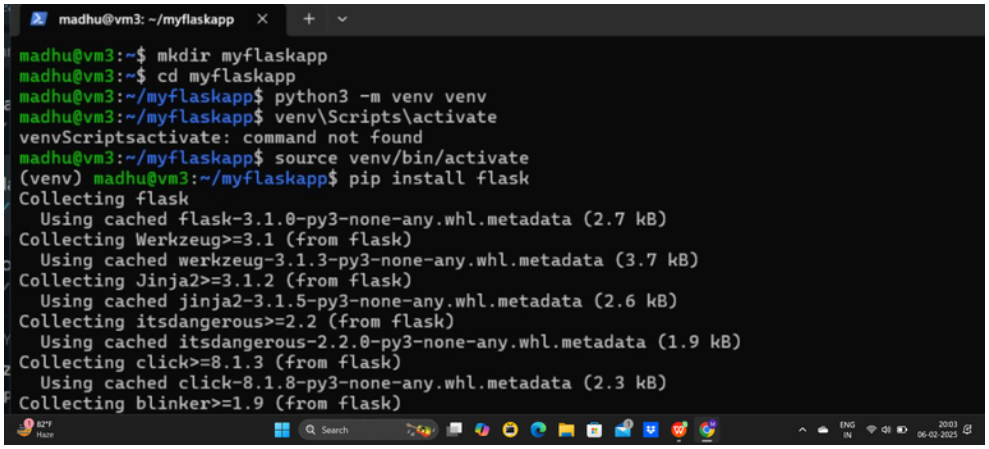
Install Python and Flask on Your VM
SSH into your Azure VM and install Python (if it's not already installed) and Flask



Step 4:

create your folder: mkdir myflaskapp
then navigate to it using cd myflaskapp command

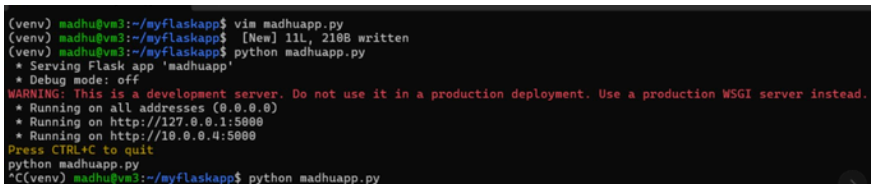
install flask using : pip install flask



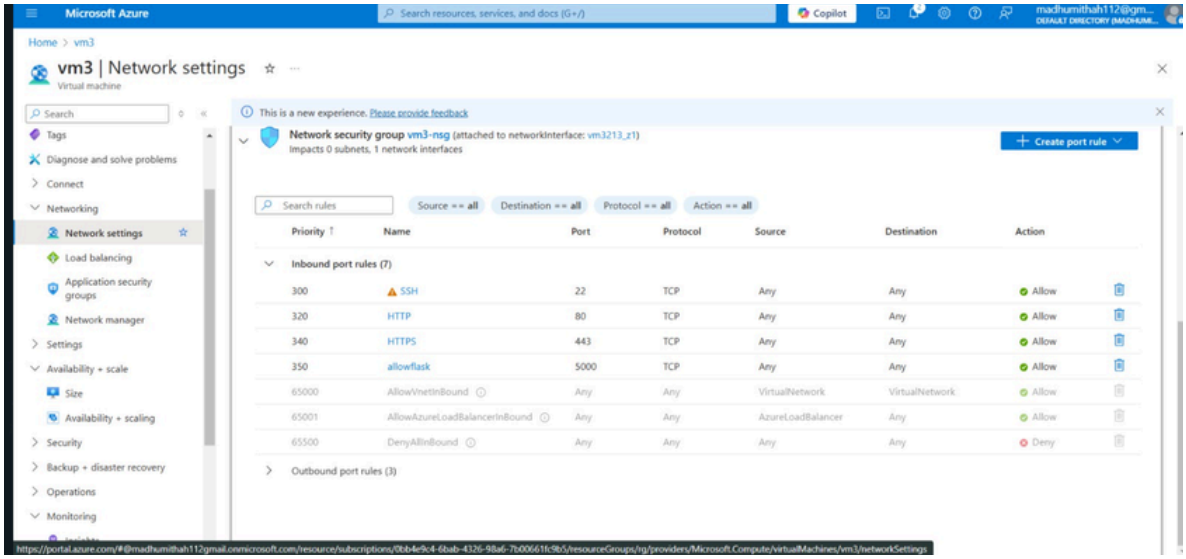
Create Your Flask Application File
On your VM, create a new Python file for the app, e.g., madhuapp.py.
Use any editor (like vim or nano) to paste the Flask code above into this file.

Then run it using command : python madhuapp.py

```python
from flask import Flask

app = Flask(__name__)

@app.route('/')
def home():
    return "Hello, your Flask app is working on Azure!"

if __name__ == '__main__':
    app.run(host='0.0.0.0', port=5000)
```



Step 5:



run the python madhuapp.py command again and you can view your vm running on :
http://<your-vm-public-ip>:5000