Sure, here's a simple checklist to accomplish your goal of deploying a machine learning model from Hugging Face on a cloud provider using a virtual machine provided by your university, without using Docker and using FastAPI for the API:

1. **Select a cloud provider**: Choose a cloud provider that is supported by your university and meets your requirements.
2. **Create a VM**: Create a VM that meets the specifications required to run your machine learning model.
3. **Install necessary software**: Install the necessary software for running your machine learning model on your VM, including Python and any required libraries.
4. **Download and prepare the model**: Download the pre-trained machine learning model that you want to deploy from Hugging Face's model hub and prepare it for deployment.
5. **Install FastAPI**: Install the FastAPI framework for building the API.
6. **Create the API**: Build an API using FastAPI that can receive input data and return predictions from your pre-trained machine learning model.
7. **Test the API**: Test the API by sending sample data to it and verifying that it returns accurate predictions.
8. **Deploy the API**: Deploy the API to your cloud provider using a service such as AWS Elastic Beanstalk or GCP App Engine.
9. **Secure the API**: Implement security measures such as SSL encryption and authentication to protect your API from unauthorized access.
10. **Monitor the API**: Monitor the API for performance and errors using tools such as Amazon CloudWatch or GCP Stackdriver to ensure that your machine learning model is running smoothly and providing accurate predictions.
11. Get VM
12. Get ip addr
    1. 10.4.41.62
13. Optional – win – connect from powershell
    1. ssh [alumne@10.4.41.62](mailto:alumne@10.4.41.62)
14. Check memory
    1. From vm
       1. Free -h : 2.4 Gi
    2. From model
       1. When testing model, use htop or top to check the memory it uses
15. Installing software
    1. Sudo apt update / Update your local system's repository list by entering the following command
    2. Sudo apt upgrade
    3. Install Python
    4. Install pip
    5. Install modules
       1. Transformers
       2. Torch or tf