Gyula Rabai's
Guide to Anaconda
[the Virtual Python Environment]

Download from: **https://anaconda.com/download**

Windows Mac Linux
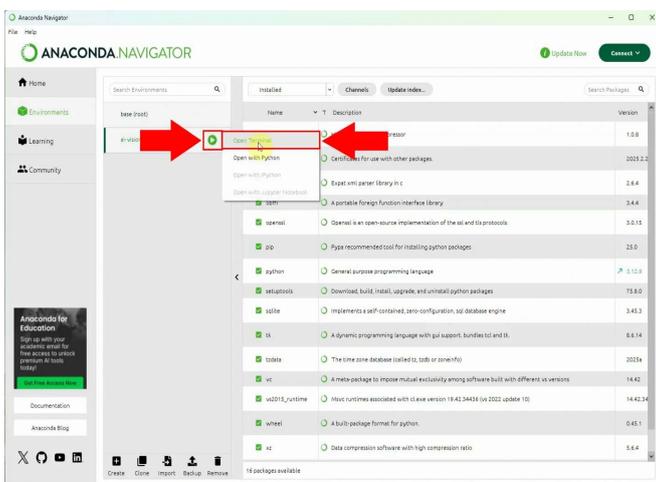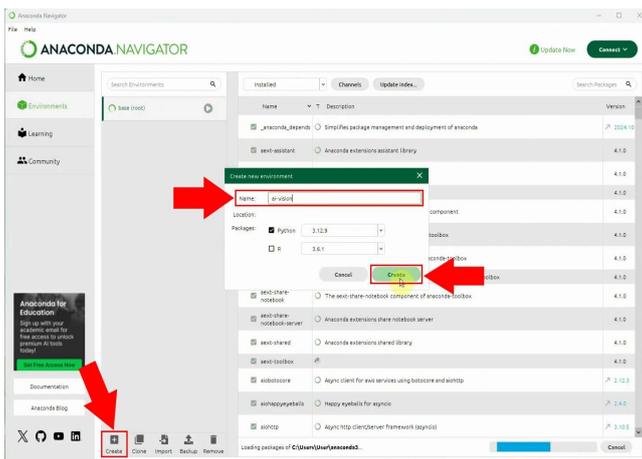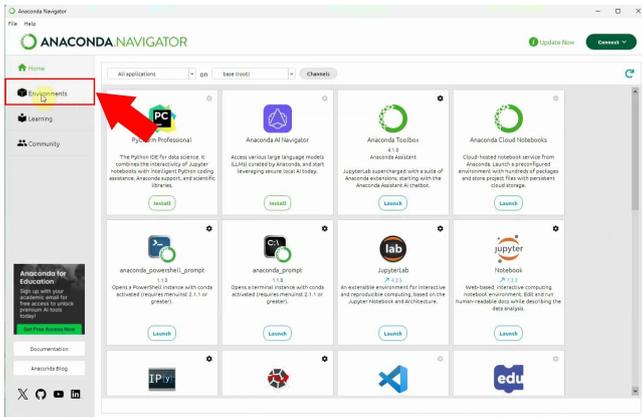
What is it? Why is it good for AI?

Anaconda simplifies Python package management and environment setup, making it ideal for data science, machine learning, and scientific computing. It helps avoid version conflicts between packages and prerequisites of AI models by keeping models isolated from each other.

Quick Steps

1. Download and install Anaconda
2. Create a virtual environment
3. Select Python version
4. Activate the virtual environment
5. Open a terminal
6. Use "pip" to install packages
7. Use "python" to start the AI model

Hacks & Tips:

`conda create` --no-default-packages -n myenv
`conda create` --name newenv --clone oldenv
`conda list` [package name]
`conda search` [package name]
`conda clean` --all
`conda update` --all
`conda install` numpy pandas
`conda remove` numpy
`conda config` --set auto_activate_base false
`conda env` list
`conda env` export > environment.yml
`conda env` create -f environment.yml
`conda` --version
`conda update conda`

Benefits: **Package Management | Science Libraries | Isolated Environments | Cross-Platform | Optimized for AI**

Alternatives: **Miniconda | Pyenv | Virtualenv | Pipenv | Poetry | Mamba | JupyterLite | Google Colab | Docker**