

SMART SORTING : TRANSFER LEARNING FOR IDENTIFYING ROTTEN FRUITS AND VEGETABLES

DATE	20-02-2026
TEAM ID	LTVIP2026TMIDS90622
PROJECT NAME	SMART SORTING : TRANSFER LEARNING FOR IDENTIFYING ROTTEN FRUITS AND VEGETABLES
MAXIMUM MARKS	2 MARKS

CHAPTER-6

6.1 PRE-REQUISITES

To complete this project, you must require the following software, concepts, and packages

Anaconda Navigator: Refer to the link below to download Anaconda Navigator

How to Install Anaconda Navigator

Step 1: Download Anaconda

Open your web browser.

Go to: <https://www.anaconda.com/download>

The screenshot shows the Anaconda website's download page. At the top, there's a decorative illustration of a deity. The navigation bar includes links for Products, Solutions, Resources, Company, Sign In, and Get Demo. Below the navigation, there's a large section titled "Get Started with Anaconda - Free". It features a green "Download Now" button and a note: "Get access in 30 seconds. Completely free.*". There are also "Get Started >" and "Returning Users >" buttons. A small note at the bottom states: "*Subject to our [Terms of Service](#). Use of Anaconda's offerings at an organization of more than 200 employees/contractors requires a paid business license unless your organization is eligible for discounted or free use. See [Pricing](#)." On the left side, there are dropdown menus for "What's included in Anaconda Distribution?", "What's included in my free Anaconda account?", and "Added Benefits for Academic Institutions".

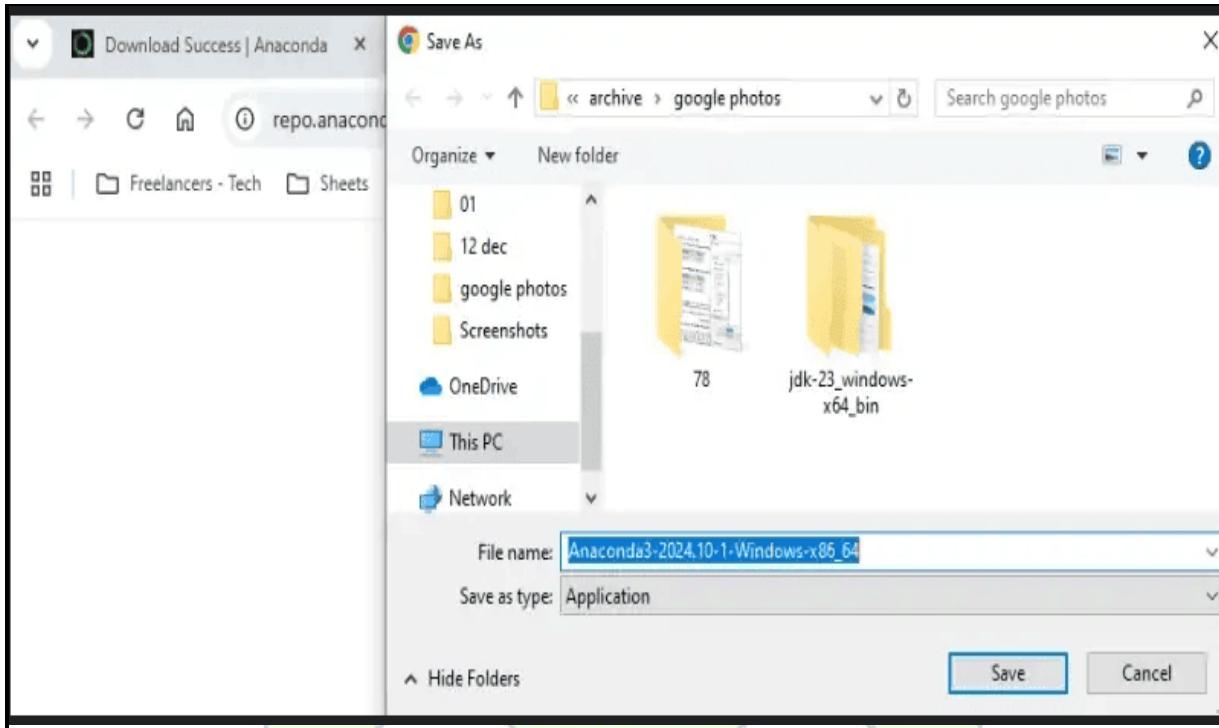
Select your Operating System:

- Windows

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- MacOS
- Linux

Download Anaconda Individual Edition (Free). Choose Python 3.x (64-bit) version (recommended).



Step 2: Install Anaconda For Windows

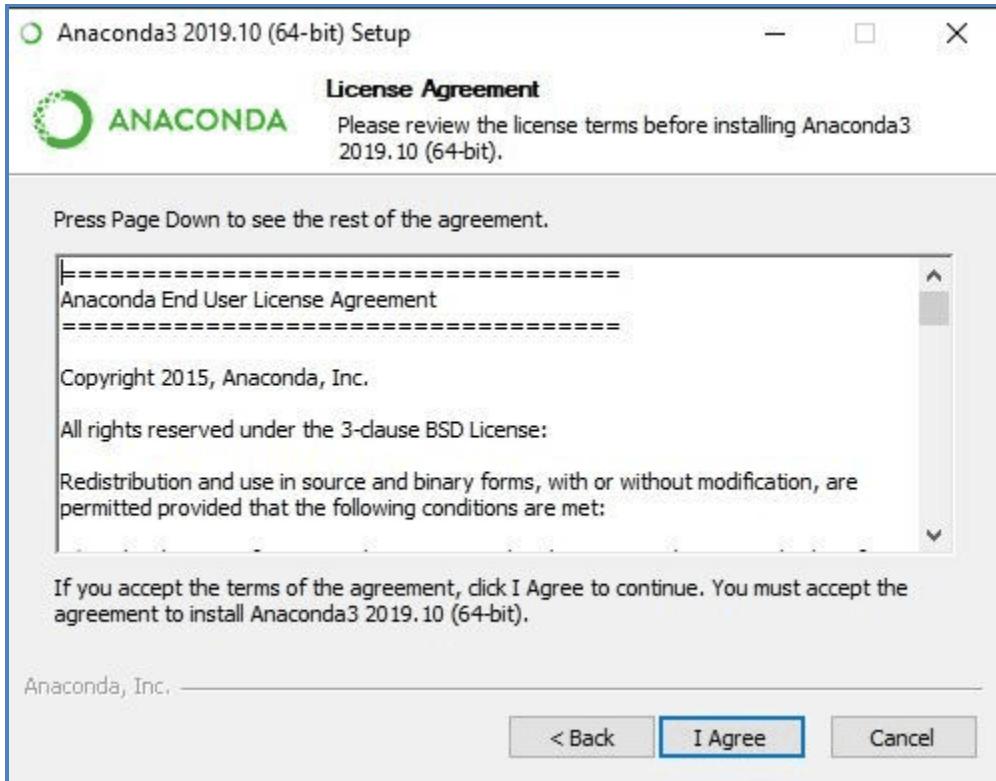
Double-click the downloaded .exe file.

Click Next

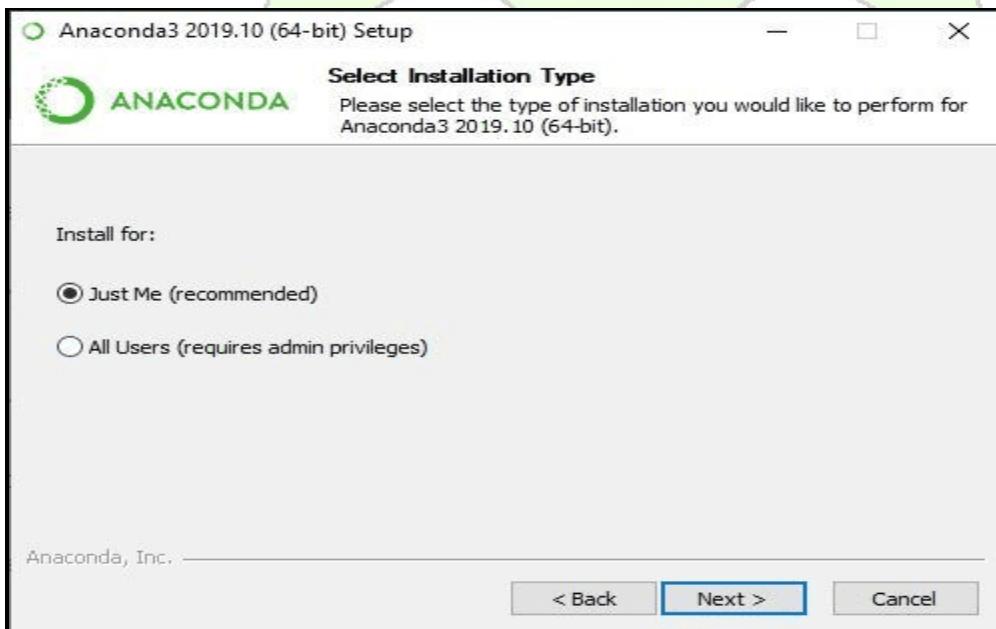


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3. Click I agree to accept the license.

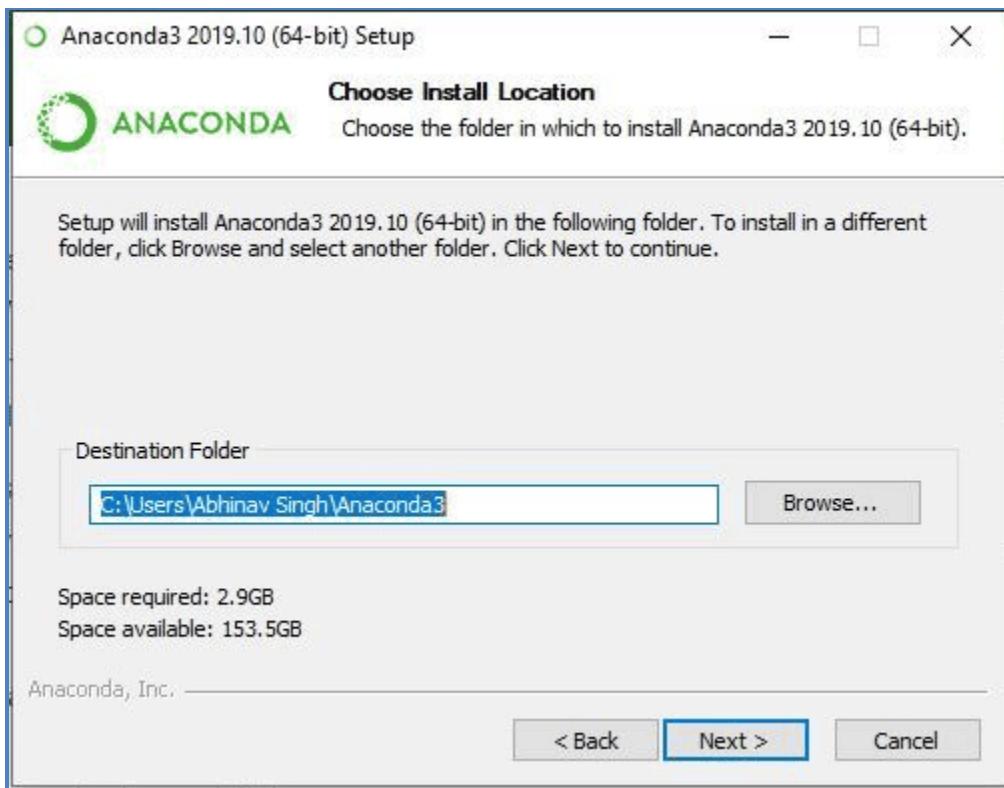


4. Select Just Me (recommended) → Click Next.

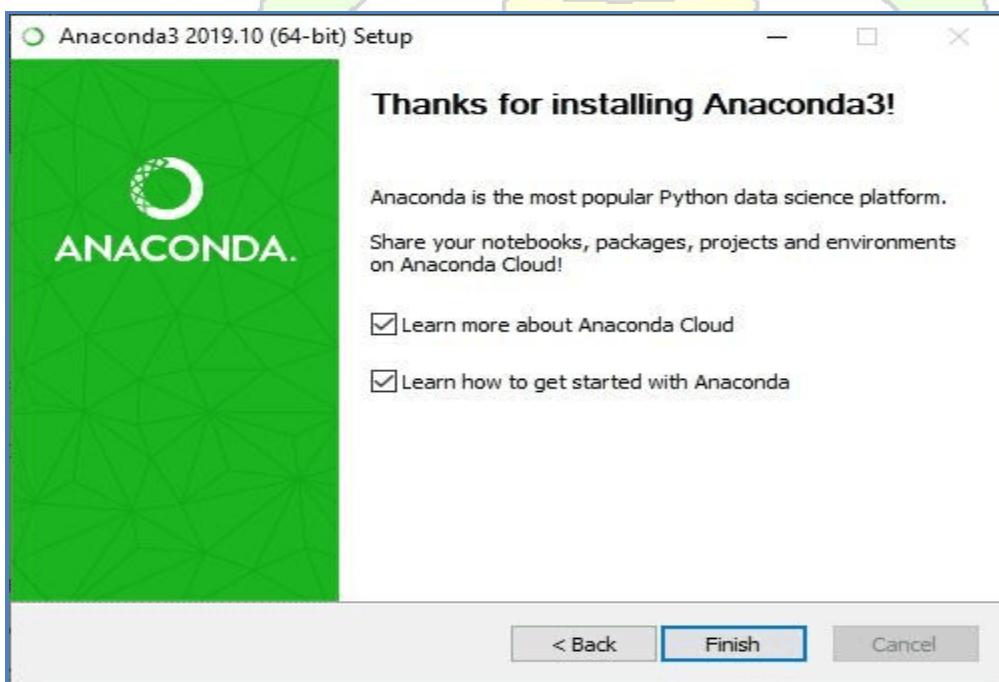


5. Choose the installation location where we need to install the anaconda software → Click Next.

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6. Check Add Anaconda to PATH (optional but useful).
7. Check Register Anaconda as default Python.
8. Click Install.

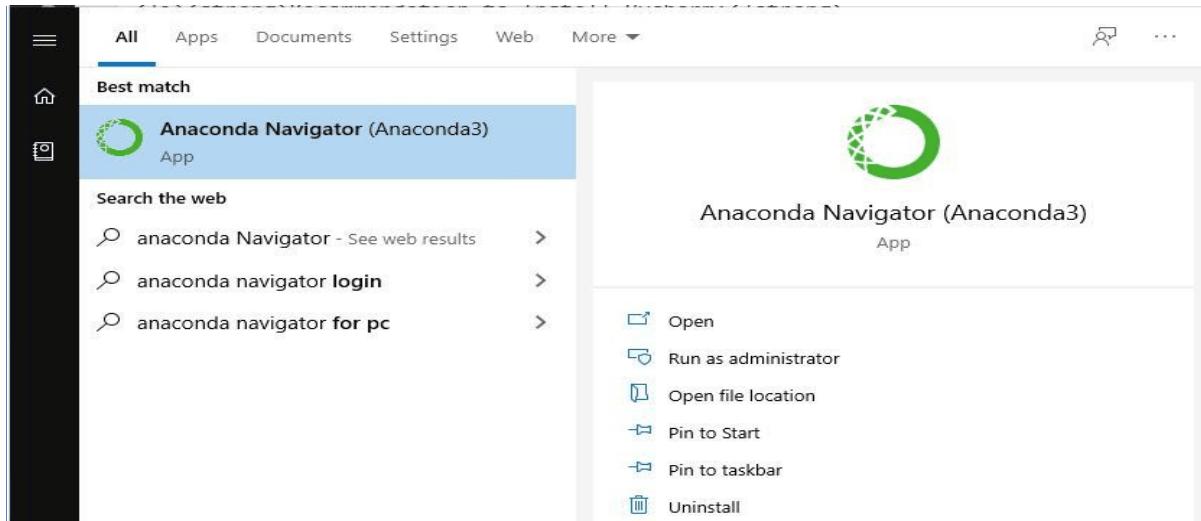


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9. After installation completes, click Finish.

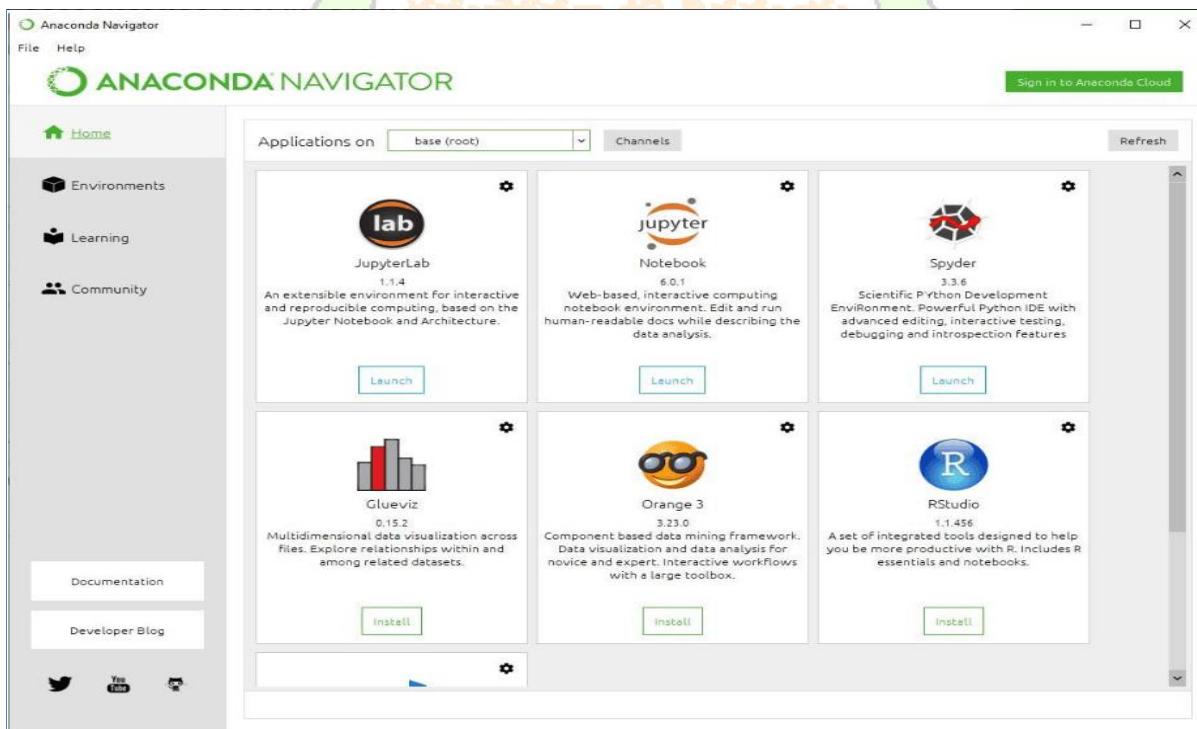
10. Access Anaconda Navigator

11. Once the installation process is done, Anaconda can be used to perform multiple operations. To begin using Anaconda, search for Anaconda Navigator from the Start Menu in Windows PC.



12. Explore Navigator & Features

13. You can use navigator to create new environments, install packages, and launch applications without using the command line.



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How to install pycharm:

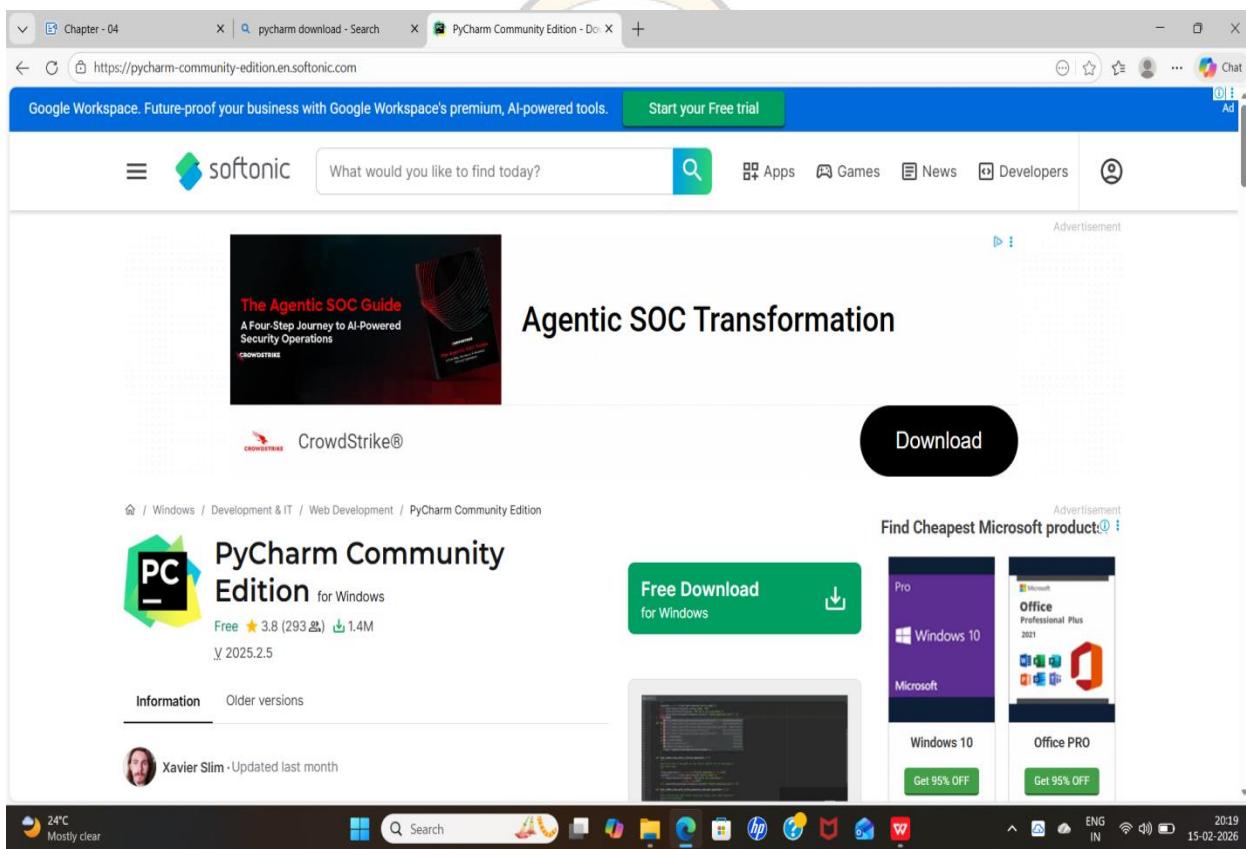
Installing PyCharm on Windows (Detailed Steps)

1. Go to the JetBrains PyCharm website

- Open any web browser (Chrome, Edge, Firefox, etc.).
- Type [pycharm.jetbrains.com](https://pycharm-community-edition.en.softonic.com) in the address bar and press Enter.

2. Click Download

- On the PyCharm homepage, you'll see a Download button.
- Click it to go to the download page.



3. Choose Community or Professional

You will see two versions of PyCharm:

PyCharm Community Edition (Free)

Choose this if:

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- You are a beginner or student
- You are learning basic Python
- You are doing school projects, scripting, or simple programs

What it includes:

- Python editor
- Code suggestions (auto-complete)
- Debugger
- Basic project tools

4. Download the Windows (.exe) installer

- Under your chosen version, click Download for Windows.
- A file ending in .exe will start downloading.
- Wait for the download to complete.

HOW TO INSTALL THE PACKAGES :

To install the packages , open pycharm

Step-1: click on Terminal .

Step-2: Now, Run the package command one by one and they will start installing in the interpreter

Python packages:

Open anaconda prompt as administrator

Type “pip install numpy” and click enter.

Type “pip install pandas” and click enter.

Type “pip install scikit-learn” and click enter.

Type ”pip install matplotlib” and click enter.

Type ”pip install scipy” and click enter.

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Type "pip install seaborn" and click enter.

Type "pip install tensorflow" and click enter.

Type "pip install Flask" and click enter.

