

# PPL SOFTWARES INSTALLATION Manual

How to Set Up Anaconda + VS Code on Windows (w/ Jupyter & Extensions)

## STEP 1: Check Your Windows Version

Chekutanga, confirm your Windows version:

1. Press Windows + R, type winver, then press **Enter**.
2. You'll see a popup showing:
  - **Windows 10/11 Home or Pro**
  - **System architecture:** 64-bit or 32-bit (very important).

⚠ **Note:** Anaconda works best on **64-bit systems**.

## STEP 2: Download and Install Anaconda (Python Distribution)

**Download Link (64-bit recommended):**

<https://www.anaconda.com/products/distribution>

📦 Installation Instructions:

1. **Run the downloaded installer.**
2. Select "**Just Me**" (recommended) → Click **Next**.
3. Choose installation folder (default is okay).
4. Make sure these boxes are ticked:
  - Add Anaconda to my PATH environment variable (may show warning still okay)
  - Register Anaconda as the default Python
5. Click **Install** and wait. Kumira depends on the machine type the better performing PCs take less time

**Tip :** Kana system yako iri 32-bit, anenge atori ma1. Tsvaga laptop ine 64-bit kuti zvifambe smooth.

## STEP 3: Test Jupyter Notebook

1. Vhura **Anaconda Navigator** (search in Start Menu).
2. Click **Launch** on **Jupyter Notebook**.
3. A browser will open → It's running locally at `http://localhost:8888`
4. Click **New** → **Python 3 notebook**
5. Type this in a cell and press **Shift + Enter**:
6. `python`
7. Copy code
8. `print("Maswera sei, CS group!")`

If it runs successfully, Jupyter inenge ichirunner bho!

## STEP 4: Install VS Code (Visual Studio Code)

Download link:

<https://code.visualstudio.com/>


Installation Steps:

1. Download and run the installer.
2. During install, tick these boxes:
  - ✓ Add to PATH
  - ✓ Register Code as editor for supported file types
  - ✓ Add "Open with Code" to right-click menu
3. Finish setup and **launch VS Code**

## STEP 5: Set Up VS Code for Python

Install These Extensions:

Go to **Extensions tab** (left sidebar or **Ctrl+Shift+X**) and search/install the following:

 Extension Name	Purpose yacho
<b>Python (by Microsoft)</b>	Required to write and run Python code
<b>Jupyter</b>	Run Jupyter notebooks inside VS Code
<b>Pylance</b>	Smart code suggestions (IntelliSense)
<b>Code Runner</b>	Quickly run code in various languages
<b>GitLens</b>	Helpful for Git & version control
<b>Prettier</b>	Auto-formatting your code

**Tip:** Tanga nekuisa Python extension kuti basa rifambe. Zvikasadaro, VS Code inongoti 'Python not found.'

## Troubleshooting Tips

Problem	Solution
Jupyter not launching	Use Anaconda Prompt → type jupyter notebook
VS Code not detecting Python	Reinstall Python via Anaconda or go to <b>Settings → Python Interpreter</b>
Extensions not installing	Check internet connection; use Command Palette (Ctrl+Shift+P)

Takabatana sema developer! 

If you run into any problems during installation or setup, feel free to reach out. I'm happy to assist!

✉ Email: [munangatakudzwa@gmail.com](mailto:munangatakudzwa@gmail.com)

📱 WhatsApp: 0781819263(available for quick support)

💬 LinkedIn: @Takudzwa Munanga

**MJ**