VS Code SetUp

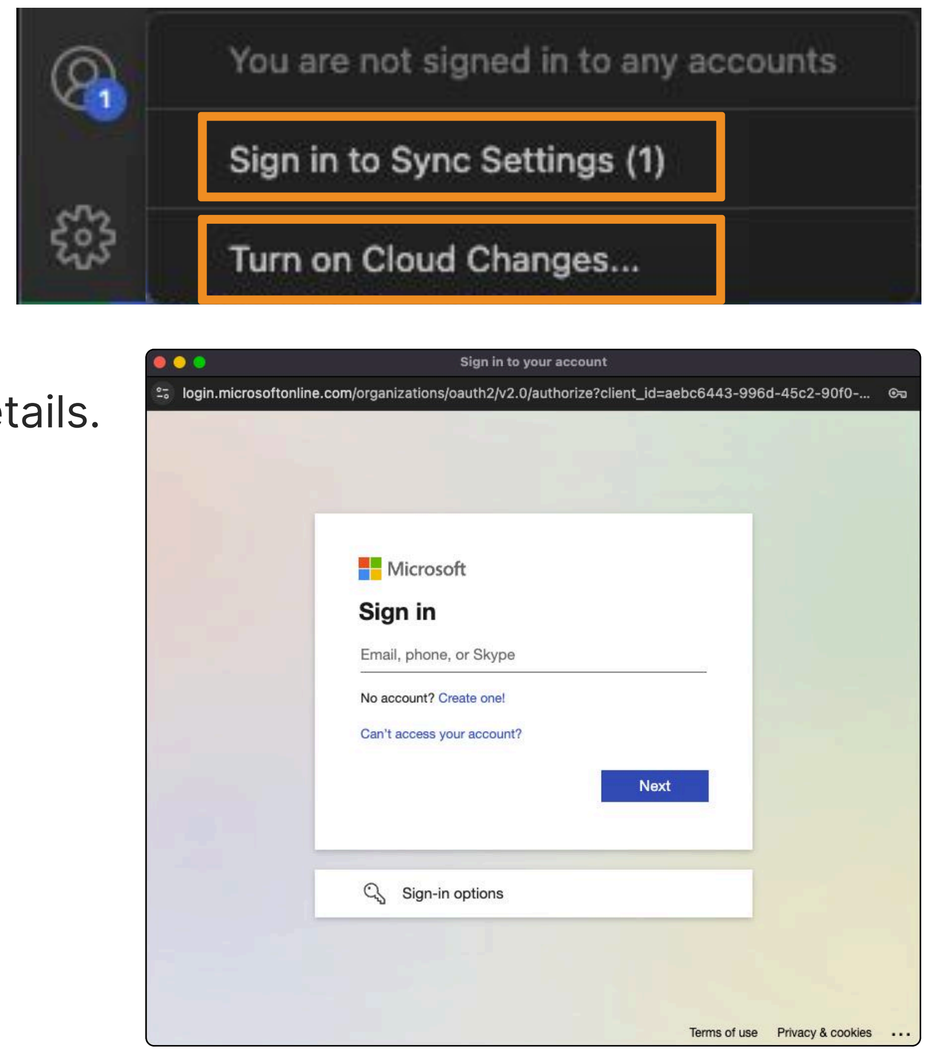
Sign In

Open VS Code

- **Launch VS Code** on your computer.

2. Sign in with Microsoft Account

- Click on the **Account** icon in the **bottom-left** corner.
- Select S**ign in with Microsoft**.
- A browser window will open. **Log in** using your **School Log In** details.
- Once signed in, **return to VS Code**.



3. Enable Cloud Changes (Settings Sync)

- Click on the **Account** icon again.
- Select **Turn on Cloud Changes** or ***Turn on Settings Sync***.
- Choose what to sync *(Settings, Keybindings, Extensions, etc.)*.
- Confirm by clicking **Turn on**.

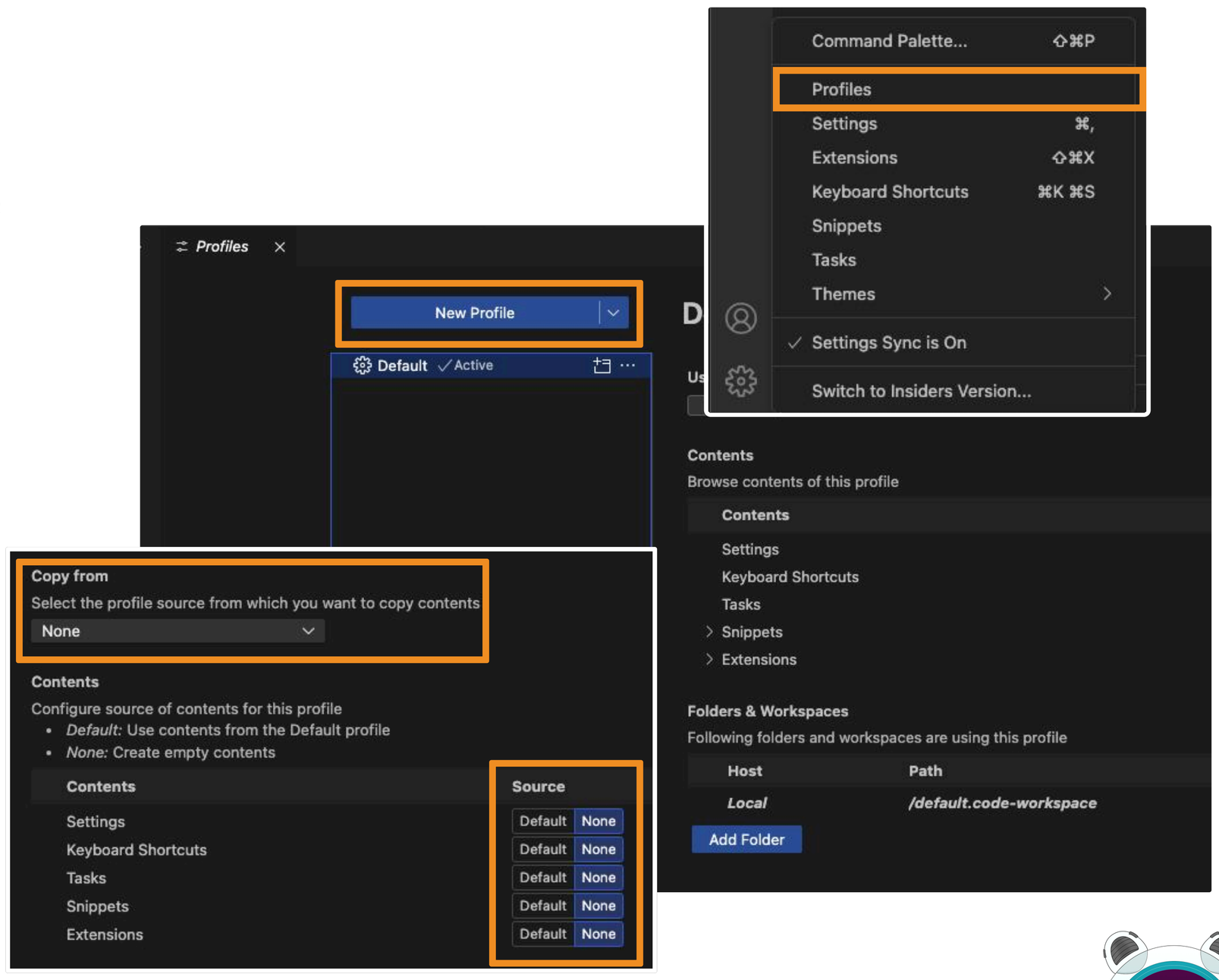
Why Sign In?

- **Sync Settings Across Devices** – Allows you to keep your settings, extensions, keybindings, and themes consistent across multiple devices.
- **Cloud Backup** – Your preferences and configurations are stored in the cloud, preventing data loss.
- **Easy Extension Management** – Installs your preferred extensions automatically on new devices.

Python Profile

1. Create a Profile

- Click on the **Setting** icon in the bottom-left corner.
- Select **Profiles**
  → Create a **New Profile**.



2. Set Up the Profile

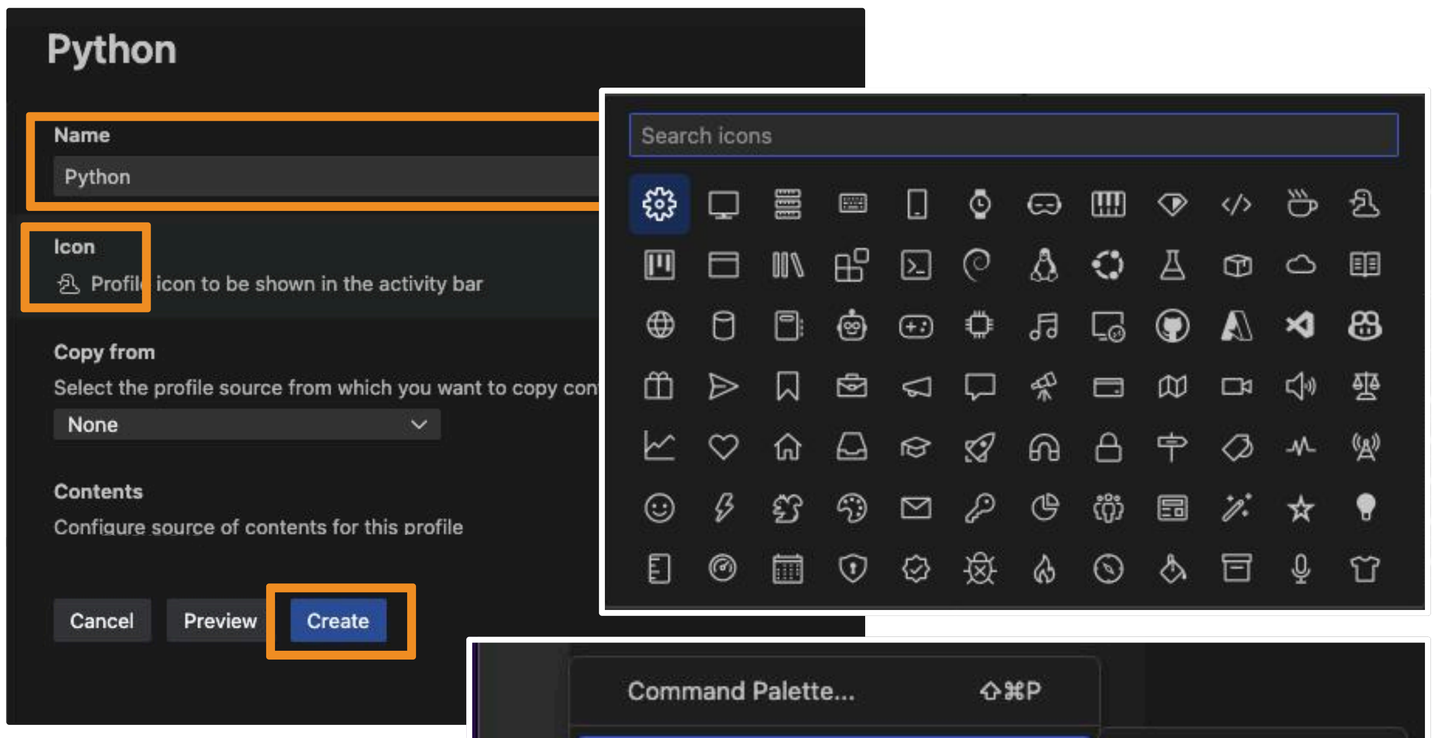
- Make sure that:
  - Copy from → **None**
  - Contents Source → **None**

Junior Engineers

VS Code SetUp

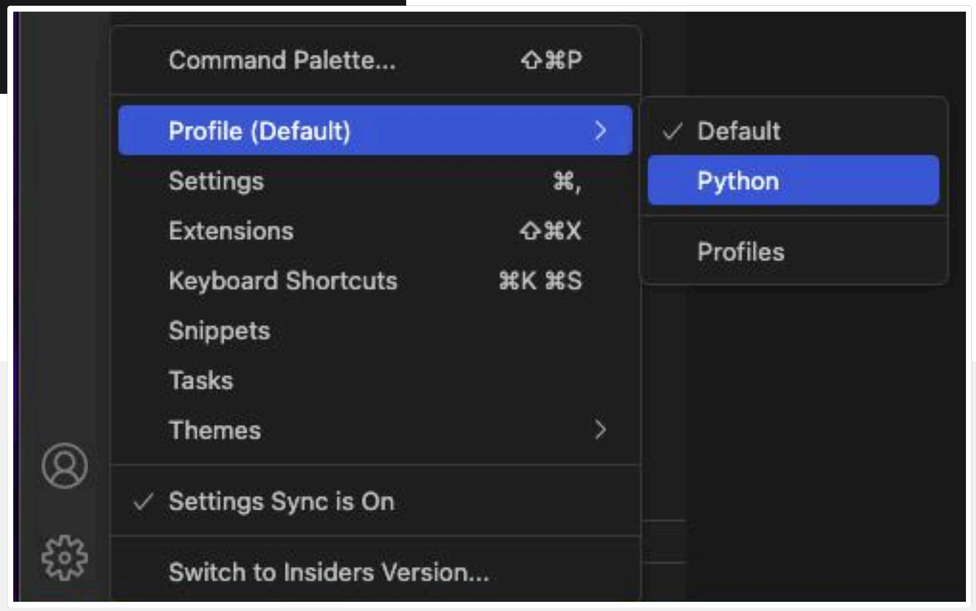
2. Set Up the Profile

- Select the **icon** to change it
- Press **Create**



3. Switch to the Python Profile

- Click the **Account** icon.
- Under **Profiles**, select **Python**.



Why Create a Profile in VS Code?

- **Customisation for Different Workflows** –
  Profiles let you switch between different setups for specific tasks *(e.g., Python, Web Development, or Data Science)*.

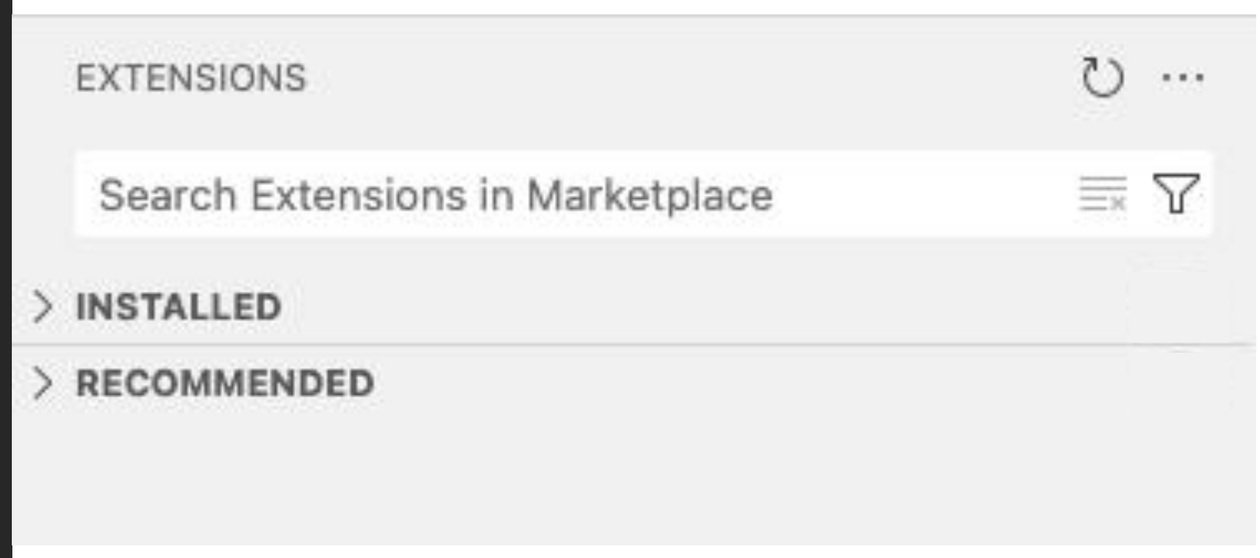
- **Minimal or Focused Workspaces** –
  Creating a profile without extensions helps keep the workspace clean, reducing unnecessary tools.

- **Experimentation & Testing** –
  You can test different configurations or extensions without affecting your main setup.

- **Multiple Accounts & Environments** –
  Useful if working with different organisations, projects, or coding styles.

- **Performance Optimisation** –
  A profile with fewer extensions can improve VS Code's speed for certain tasks.

Adding Extensions to a Profile



1. Open Extensions Marketplace

- Click on the Extensions icon in the left sidebar

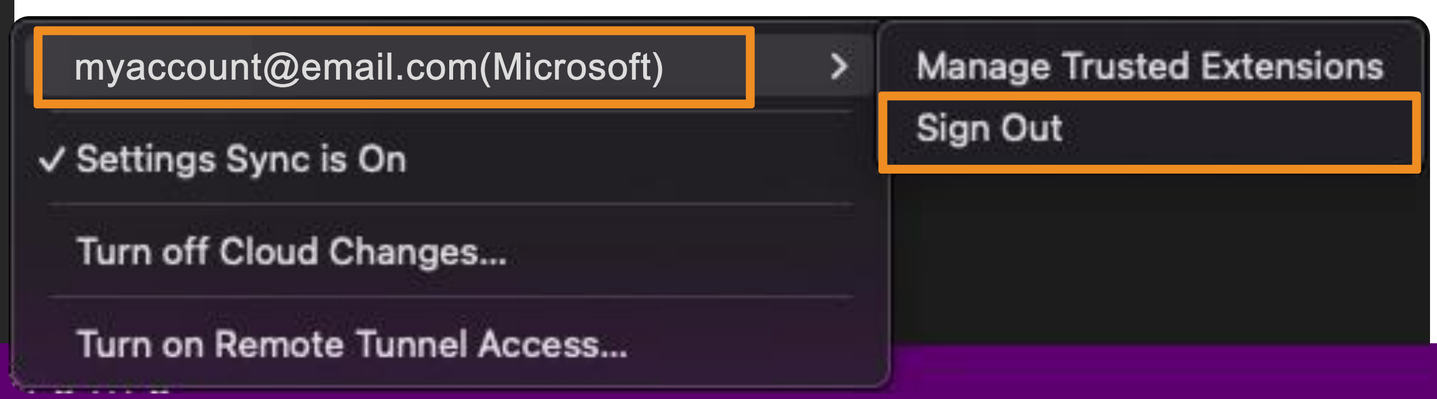
2. Search and Install Extensions

- Type the extension name in the search bar and click Install.

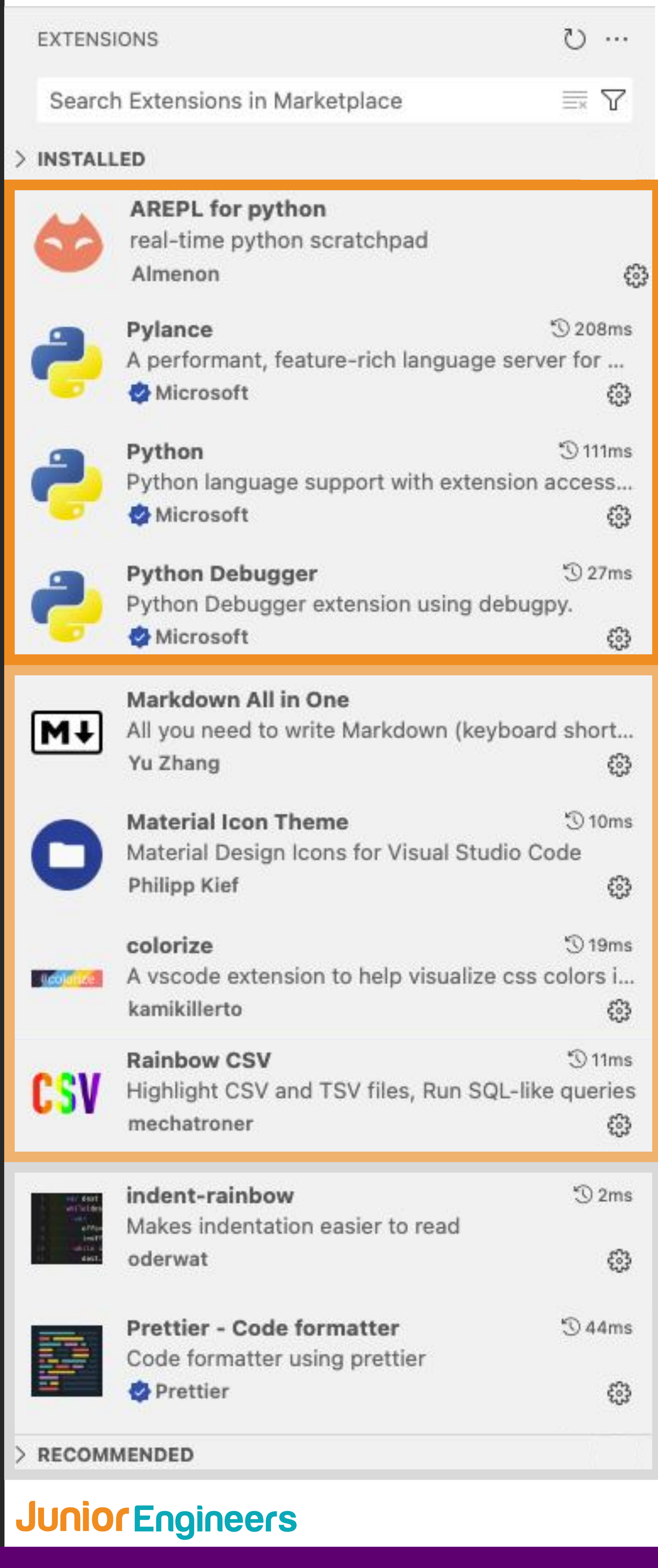
See Next Page for Extensions Needed.

Signing Out of VS Code

- Click on the **Account** icon in the **bottom-left** corner.
- Select **Sign out** of Microsoft Account.
- Confirm sign-out if prompted.



VS Code SetUp



3. Recommended Extensions

These extensions are selected to enhance Python development, improve code readability, and streamline workflows in VS Code.

Must Install for Python

- Enables debugging features for Python scripts.
- Provides IntelliSense, linting, debugging, and Jupyter notebook support.
- Live preview of Python code execution in real-time.
- Enhances Python IntelliSense and improves performance.

Highly Recommended any Profile

- Adds colour and formatting to comments and numbering.
- Lets you identify files by the icons after putting in the suffix *(.py, .txt, etc.)*
- Highlights colour codes that specific colour so you can see what they are.
- Adds colours to different sections of code for better readability.

Optional for any Profile

- Visually distinguishes indentation levels for better readability.
- Formats code automatically for cleaner syntax.

Junior Engineers