

Bye, Bye 

its slow 

[ Don't use  ]

• pip to install  
packages in python



# Intro

pip is great package manager, to  
install python packages, but it's  
very slow to install packages



UV is now an extremely fast Python  
package installer and resolver, written  
in Rust. Designed as a drop-in  
replacement for pip and pip-compile.

# Simple Installation

We can use following installer to  
install uv

```
# On macOS and Linux.  
curl -LsSf https://astral.sh/uv/install.sh | sh  
  
# On Windows.  
irm https://astral.sh/uv/install.ps1 | iex  
  
# With pip.  
pip install uv  
  
# With pipx.  
pipx install uv  
  
# With Homebrew.  
brew install uv
```

# Virtual Environment

We can manage the virtual environment using uv.

To create virtual environment, simply  
we can use this command,

```
# Create a virtual environment at .venv.  
uv venv
```

Activate virtual environment

```
# On macOS and Linux.  
source .venv/bin/activate  
  
# On Windows.  
.\\.venv\\Scripts\\activate.ps1
```

# Install packages using uv

To install/uninstall packages into  
virtual environment

```
# Install Django.  
uv pip install django  
  
# Install from a requirements.txt file.  
uv pip install -r requirements.txt  
  
# Install the current project in editable mode.  
uv pip install -e .  
  
# Install the current project from disk  
uv pip install "package @ ."
```

```
# Uninstall Django, btw you don't need to do this 😊  
uv pip uninstall django
```

# Conclusion

Let's suppose, you have to install  
100's of packages into our machine  
at a time, by using uv we can do  
this extremely fast.

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related content

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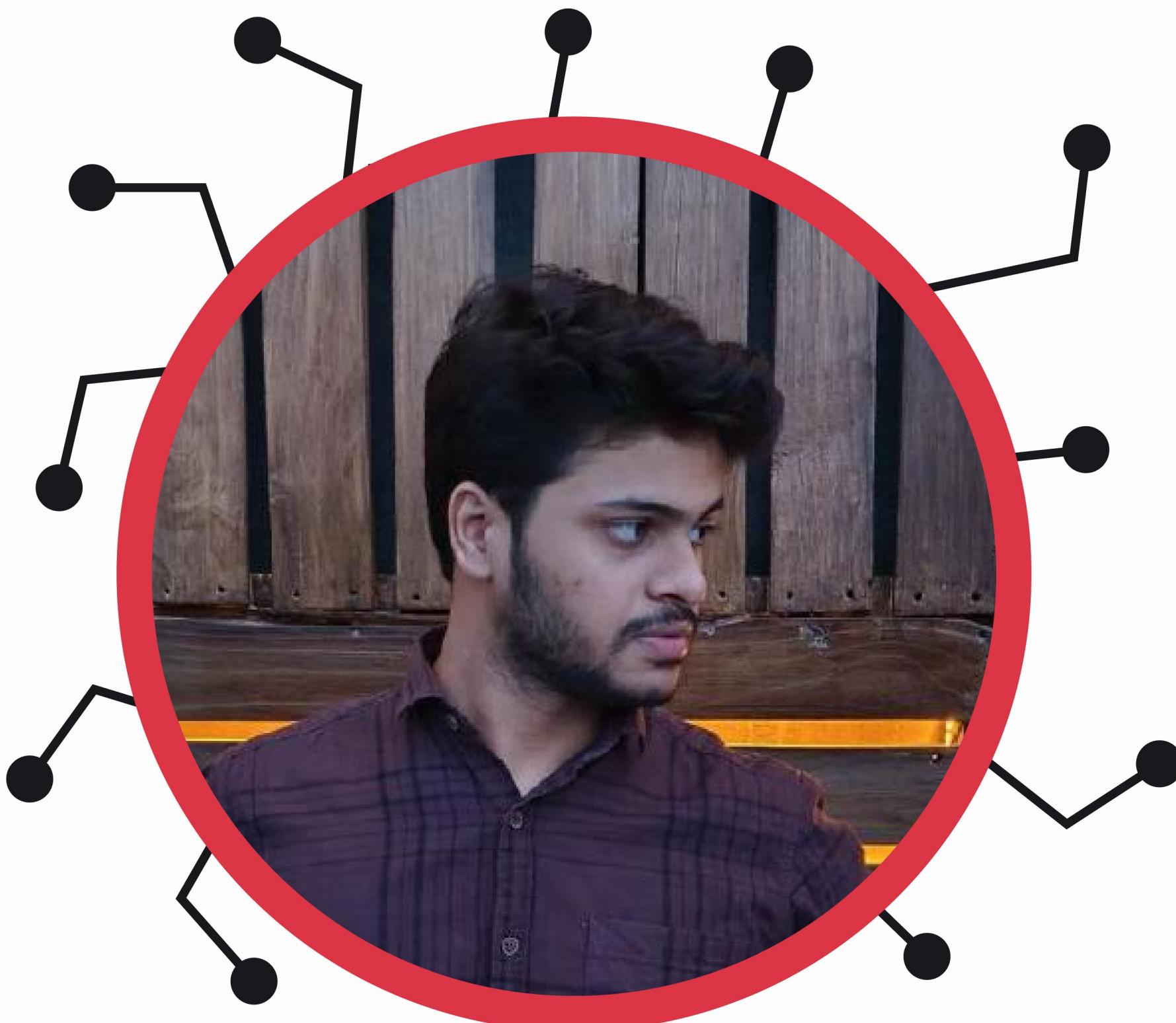
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