

VS Code Extensions

Supercharge Your Editor

Extensions: Add New Powers

Need	Extension
Python Dev	Python, Pylance
Web Dev	Live Server
Git Tools	GitLens
Formatting	Prettier
Themes	Material Theme

How to Install

- **Marketplace:** Extensions icon → Search → Install
- **Command Palette:** Ctrl+Shift+P → "Extensions: Install"
- **CLI:**

```
code --install-extension ms-python.python  
code --install-extension esbenp.prettier-vscode
```

Manage Extensions

- Enable/disable as needed
- Check reviews & ratings
 - Install the most downloaded users' downloads
- Read the document to learn usage
- Keep updated

Key Extensions by Category

Python

- **Python** – IntelliSense, debugging
- **Pylance** – Language support
- **Jupyter** – Notebook support
- **Black Formatter** – Auto-format code

Web Development

- **Live Server** – Auto-reload web pages
- **HTML CSS Support** – Smarter HTML/CSS
- **ESLint** – Fix style errors
- **Emmet** – Expand HTML/CSS shortcuts
- **Auto Rename Tag** – Auto-update matching tags

Git & Version Control

- **GitLens** – Git history & blame
- **Git Graph** – Visual repo browser
- **GitHub Pull Requests** – Review PRs in VS Code

Debugging & Testing

- **Jest** – JS testing integration
- **Test Explorer UI** – Unified test runner

Code Quality & Formatting

- **Prettier** – Multi-language formatting
- **SonarLint** – Code quality checks

Productivity

- **GitHub Copilot** – AI coding help
- **Bracket Pair Colorizer** – Match brackets by color
- **Path Intellisense** – Autocomplete file paths
- **TODO Highlight** – Highlight TODO/FIXME

Remote Development

- **Remote - SSH** – Work on remote servers
- **Remote - WSL** – Use Windows Subsystem for Linux
- **Dev Containers** – Develop inside Docker

Database & API

- **SQLTools** – SQL DB explorer
- **MongoDB for VS Code** – MongoDB support
- **PostgreSQL** – PostgreSQL tools
- **REST Client** – Test APIs directly in VS Code

Documentation

- **Markdown All in One** – Better markdown editing
- **Draw.io Integration** – Create diagrams
- **Better Comments** – Color-coded notes

Team Collaboration

- **Live Share** – Real-time editing
- **CodeTour** – Guided code walkthroughs
- **Settings Sync** – Share settings across devices

Top 10 Extensions for Software Engineers

1. **Python** – Core Python support
2. **Pylance** – Better IntelliSense
3. **Live Server** – Instant web preview
4. **Prettier** – Code formatter
5. **ESLint** – JavaScript/TypeScript linting

6. GitLens – Git history & blame

- Or any popular Git Tools, such as Git Graph or Git History

7. Bracket Pair Colorizer – Easy code navigation

8. Path Intellisense – File path autocomplete

9. Markdown All in One – Better docs

10. Live Share – Real-time collaboration