💼 Installing Git on Windows, macOS, and Linux

This guide walks you through installing **Git**, the version control system used in this project, across all major platforms.

🔲 Windows

📦 Installation

1. Download the installer from:
   👉 https://git-scm.com/download/win
2. Run the installer and follow the default setup
3. During setup:
   - Leave default options unless you have specific preferences
   - Ensure **Git Bash** is included

☑ Verify Installation

Open **Command Prompt** or **Git Bash** and run:

```
git --version
```

You should see something like:

```
git version 2.x.x.windows.x
```

🍎 macOS

📦 Installation via Homebrew (Recommended)

1. Install [Homebrew](#) if not already installed
2. Run:

```
brew install git
```

📦 Alternative: Xcode Developer Tools

You can also install Git by running:

```
xcode-select --install
```

This installs Git along with other developer tools.

☑ Verify Installation

```
git --version
```

Expected output:

```
git version 2.x.x
```

🐧 Linux (Ubuntu/Debian)

📦 Installation

```
sudo apt update
sudo apt install git -y
```

☑ Verify Installation

```
git --version
```

🛠️ Next Steps

Once Git is installed, configure your identity:

```
git config --global user.name "Your Name"
git config --global user.email "you@example.com"
```

You can check the config with:

```
git config --list
```

🔗 Helpful Links

- [Git Downloads](#)

- Git Documentation

- GitHub Git Guide

- version_control

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