**Developer Environment Setup Documentation**

**Installing windows 11**

For this I already had windows 11 installed

**Installing a Text Editor or Integrated Development Environment (IDE)**

I downloaded and Installed Visual Studio Code

**Set Up Version Control System**

I installed Git and Configured It, I then created a github account and initialized a git repository and made a commit.

**Install Necessary Programming Languages and Runtimes**

I installed Python from their official website

**Install Package Managers**

I then verified my pip Installation afterwhich I opened the Terminal and Ran it

**Configure a Database (MySQL)**

I downloaded and Installed MySQL from the installer page. I ran the Installer, followed the instructions to install MySQL, choosing the default settings and remembering the root password.

**Explore Extensions and Plugins**

I Installed Useful Extensions for Visual Studio Code,including:

Python

GitLens — Git supercharged

ESLint (if working with JavaScript/TypeScript)

**Reflection**

Challenges Faced and Strategies Employed

Challenge: Configuring Git for the first time was a bit confusing.

Strategy: Followed the official Git documentation and online tutorials to properly configure Git.

Challenge: Installing MySQL had some issues with the default configuration.

Strategy: Referred to online forums and documentation to troubleshoot and use the correct configuration settings.