**US\_VISA\_APPROVAL\_PREDICTION**

1. **Project Setup**

* Anaconda Installation
* VS code
* Git hub project repository creation

1. **Project template creation**
   * template.py
     + Creating the required folders and files
   * Git commands
     + git add .
     + git commit -m “template created”
     + git push origin main
   * **\_\_init\_\_** wherever it is can be considered as a local package
2. **Create a virtual environment**
   * Install environment: conda create -n visa python=3.8 -y
   * activate environment: conda activate visa (environment name: visa)

==> WARNING: A newer version of conda exists. <==

current version: 23.7.4

latest version: 24.5.0

Please update the conda by running.

$ conda update -n base -c defaults conda

Or, to minimize the number of packages updated during the conda update, use

conda install conda=24.5.0

1. **Install Requirements** 
   * pip install -r requirements.txt
   * **setup.py (**-e .**)**
2. **MongoDB\_connection**
   * MongoDB login
   * Project create
   * Connect to the database server
   * Create login credentials
   * Using Python client to add data to the database
   * Get the connection string

mongodb+srv://naveen0383:naveen0383@cluster0.lhrniw3.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0

* + Insert data into the database

1. **Logging**
   * Trace the file that you are running and get the time stamp at different logger levels
2. **Exception Handling**
   * Check whether there are any errors when executing the code.