To run the underwater image enhancement algorithm effectively, ensure you have the following:

**Software Requirements:**

* **MATLAB R2020a or later** (Earlier versions may work but could lack certain functionalities.)
* **Image Processing Toolbox** (For image transformation and enhancement functions.)
* **Parallel Computing Toolbox** (Optional for GPU acceleration to speed up processing.)

**Hardware Requirements:**

* **Processor:** Minimum Intel i5 or equivalent (Recommended: i7 or higher)
* **RAM:** At least 8GB (16GB or more recommended for large datasets)
* **GPU (Optional):** NVIDIA GPU with CUDA support for faster processing