

## **Software Prerequisites**

- A Linux or Mac-based Developer's Laptop with enough memory to run a database (ie OpenSearch) plus Intel's neural-chat SLM (below).
  - Windows Users should use a VM or Cloud Instance
- Python Installed: version 3.12 or higher
- (Recommended) Using a miniconda or venv virtual environment
- Docker (Linux or MacOS) Installed: for running a local OpenSearch instance
- Basic familiarity with shell operations

Docker images you should pre-pull in your environment:

- `docker image pull opensearchproject/opensearch:3.2.0`

## **LLM to pre-download:**

This is the official one used in today's workshop:

- Intel's [neural-chat-7B-v3-3-GGUF](#)

OR

- Huggingface [bartowski/Meta-Llama-3-8B-Instruct-GGUF](#)

OR

- Alternatively, using [ollama](#)
  - Llama 3B: <https://ollama.com/library/llama3:8b>