Microsoft   Semantic Kernel

Semantic Kernel Hackathon Prerequisites

In this document, you will find the requirements for participating in a Semantic Kernel Hackathon, where you will have the opportunity to showcase your skills and creativity using Semantic Kernel. By joining the Semantic Kernel Hackathon, you will be part of an exciting and innovative community of developers who are passionate about creating smart solutions with AI.

Before the Hackathon, confirm you have:

1. An Open AI API Key or Azure Open AI service key – you will need this to run the samples, to create and test your own AI skills

2. Access to the Semantic Kernel GitHub Repo

3. Download the following software if it is not installed on your computer:
   a. VS Code or Visual Studio
   b. .Net 7 (used for the samples and local API service)
   c. Polyglot (used to run the notebooks)
   d. Azure Function Core Tools (used to run the local API service)

Optional Tasks:
   If you are a C# developer, can you download the Semantic Kernel NuGet package
   Python developers can go here and run the following
```
# Install poetry package
pip3 install poetry
# Use poetry to install project deps
poetry install
# Use poetry to activate project venv
poetry shell
```

Additional Resources:

Learn the basics about AI before you attend - https://devblogs.microsoft.com/semantic-kernel/recipes/

Semantic Kernel community at Discord - https://aka.ms/SKDiscord

Microsoft Semantic Kernel documentation site - https://aka.ms/sk/learn

Semantic kernel blog site - https://aka.ms/sk/blog

LinkedIn Learning Course - https://aka.ms/sk/li/introducing-semantic-kernel

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