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**Vibe Coding: VS Code AI Dev Tool with Copilot**

**Helper Document**

Version No: 1.0

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|  | **Prepared By / Last Updated By** | **Reviewed By** | **Approved By** |
| **Name** | AG | SB | JP |
| **Role** | Principal Architect | PM | Chief Architect |
| **Signature** | AG | SB | SB |
| **Date** | 15/7/2025 | 15/7/2025 | 15/7/2025 |

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# Introduction

## Purpose of this document

This document provides comprehensive guidance on using the VS Code AI Dev tool for participation in the Vibe Coding Event at Cognizant.

## Scope

This document outlines the key steps for participants of the Vibe Coding event to register and configure the VS Code AI tool in preparation for the hackathon.

## Out of Scope

* AI components won't use Associate data for personalization or access PII.
* Troubleshooting of VS Code IDE, Azure & GitHub.

## Intended Audience

The intended audience of this document is

* Administration team for Vibe Coding Event
* Associates of Cognizant
* Architects, Designers and Developers involved in the Vibe Coding Event.

## Acronyms

|  |  |
| --- | --- |
| Acronym | Expansion |
| User | Cognizant Associates |
| News | News articles published on be.cognizant |
| Be.Cognizant | Content platform: <https://be.cognizant.com> |
| Hackathon | Vibe Coding Event |

# Setup & Get Started

## Installation

Install the VS Code App from the Company portal on your laptop. Access the installation guide here.

|  |  |
| --- | --- |
| **OS** | **Installation guide** |
| **Windows** | [**Windows - IDE Installation Guide.docx**](https://cognizantonline.sharepoint.com/:w:/r/sites/VibeCodingCognizant/Shared%20Documents/%F0%9F%97%82%EF%B8%8F%20Docs/Windows%20-%20IDE%20Installation%20Guide.docx?d=w60059163f07a436095e840693dd4944f&csf=1&web=1&e=TIHA0x) |
| **Mac** | [**Mac - IDE Installation Guide.docx**](https://cognizantonline.sharepoint.com/:w:/r/sites/VibeCodingCognizant/Shared%20Documents/%F0%9F%97%82%EF%B8%8F%20Docs/Mac%20-%20IDE%20Installation%20Guide.docx?d=wa022be51e8ea412fa49458d7a0739da6&csf=1&web=1&e=DqhzpL) |

## 

For VS Code IDE, install the VS Code app from Company Portal on your local machine

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Additionally, ensure that the required runtime components for your programming language and platform are installed. If these components are already in place, you may proceed to the next step.

|  |  |
| --- | --- |
| **Development language** | **Package name in Company Portal** |
| .NET | FW-Microsoft-.NET runtime-8.0.17-64-8.0.17.34916 |
| Java | CO-Oracle-JDK-17.00.13-64-17.0.13.0 |
| Nodejs | FW-Node.js-Node.js-22.16.0-64-22.16.0 |
| Python | OS-Python Software Foundation-Python-3.13.2-64-3.13.2150.0 |

## IDE Setup

#### Open VS Code IDE on your local machine. You can start by opening a local folder by clicking on Open Folder to keep your code locally.

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# Plugins/Configuration

## SQLite for Database Implementation

If you need to work with a database in your app, search for Extension Sqlite Viewer and install the extension in your IDEA screenshot of a computer

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## GitHub Copilot

Search for GitHub Copilot in Extension sidebar of VSCode and Install it

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2. Click on Profile button in bottom left corner and select "Sign in with Github to use Github Copilot"

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3. You will be prompted with a below page.4. A screenshot of a computer

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4. Key in "UserID\_cgcp" in user name or email address field as like below and select "Sign in with your identity provider"A screenshot of a computer

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5. Click on continueA screenshot of a computer

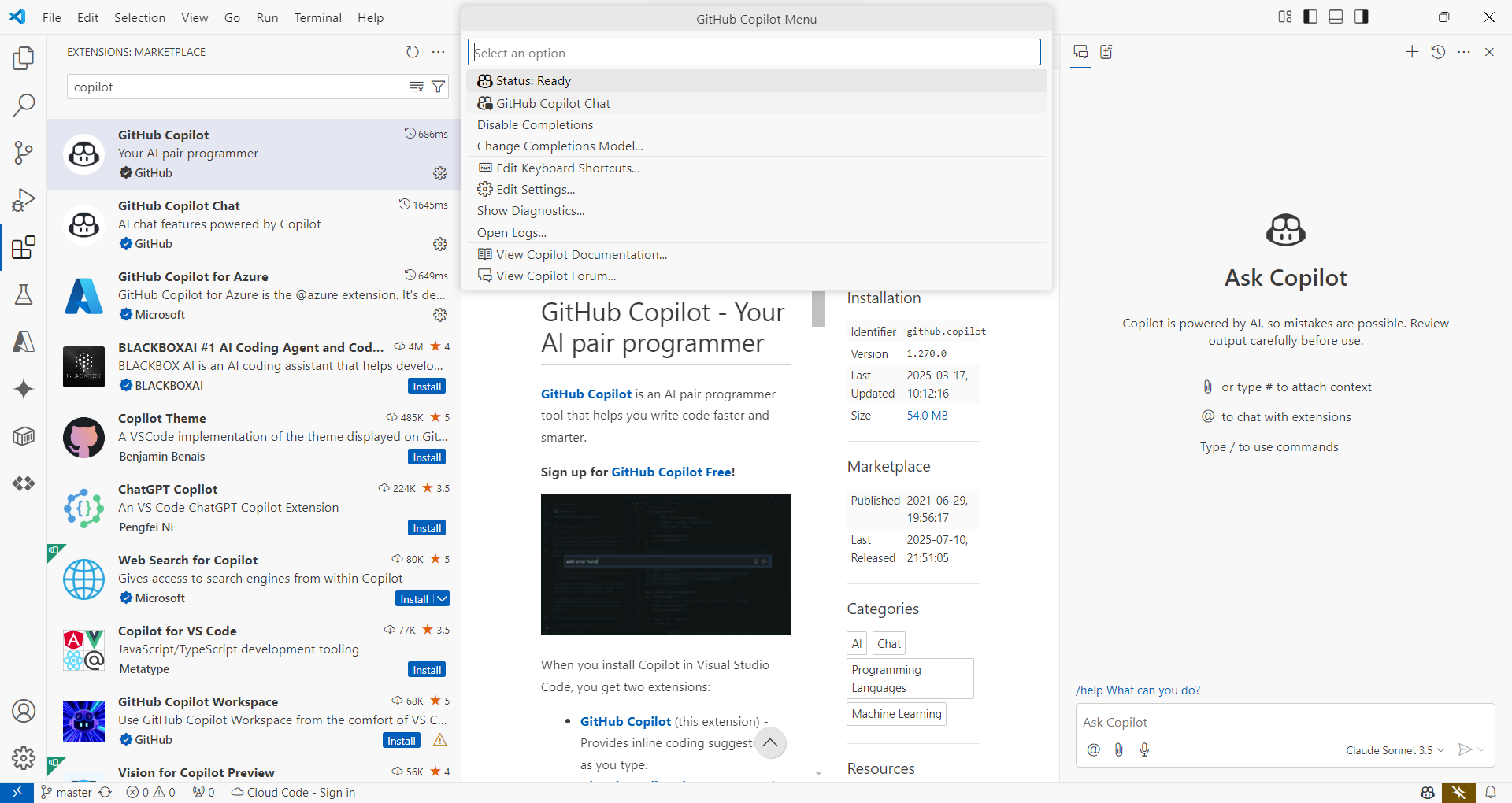
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6. Select Open A screenshot of a computer

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7. Close the browser and from VS code select profile icon from bottom left and ensure you see the respective login is made successfully like below.A screenshot of a computer

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8. Now you can click on the Git icon at the bottom left to go to Copilot Chat and start your development using chatting 

# Sample Prompts

1. **Code Generation**

Create a Python script that reads a CSV file and summarizes sales by region.

1. **UI Component**

Build a React component for a login form with email and password fields.

1. **Bug Fixing**

Fix the error in this JavaScript function that calculates total price.

1. **Documentation**

Write a README for a Node.js project that connects to MongoDB and exposes REST APIs.

1. **Refactoring**

Refactor this Java method to improve readability and reduce complexity.

**Prompt modes**

* **Write Mode** – for generating code
* **Chat Mode** – for understanding codebase
* **Legacy Mode** – for discussions

# References

## Cognizant – VS Code vendor collaboration

[Documentation for Visual Studio Code](https://code.visualstudio.com/docs)

# Change Log

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| --- | --- |
| **Version Number** | **Changes Made** |
| V 1.0 | Initial baseline created on 72025 |
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