

AI Tools Handbook for Hackémon CTF

Below is a curated list of beginner-friendly AI tools to support participants during the Hackémon CTF competition. Each tool has been selected for its ease of use, versatility, and relevance to the CTF challenge domains.

1. ChatGPT (OpenAI)

- **Use Case:** Coding help, debugging, and logic building
 - **Benefits:** Supports multiple programming languages and understands context-rich prompts •
- Example Task:** *Write a Python function to check for SQL injection in a login form.*
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2. Google Gemini

- **Use Case:** Explaining concepts, machine learning fundamentals, creating diagrams
 - **Benefits:** Integrated with Google Search, accepts both text and image inputs
 - **Example Task:** *Explain underfitting and overfitting in ML with examples and graphs.*
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3. Claude

- **Use Case:** Long-form reasoning, concept breakdowns (e.g., ML pipelines, blockchain logic)
 - **Benefits:** Beginner-friendly, structured, and clear explanations
 - **Example Task:** *Describe how convolution layers work in image classification using a simple analogy.*
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4. Perplexity AI

- **Use Case:** Factual lookups, summarizing complex tech topics with citations
 - **Benefits:** Offers sourced answers, great for quick understanding with real-world context •
- Example Task:** *What is a re-entrancy attack in Ethereum and how can it be prevented?*
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5. GitHub Copilot

- **Use Case:** Autocompleting code inside VS Code and helping with syntax
- **Benefits:** Speeds up writing, reduces syntax errors, and acts like an AI coding partner
- **Example Task:** *Begin a function to sort numbers, and let Copilot complete it correctly.*

Perplexity Links:

<https://plex.it/referrals/BUVJ5C34>

(Login with RVCE email ID only)