**ChatGPT**

\*Specifications: A conversational AI based on the GPT architecture that can answer questions, assist with writing, programming, and more. A highly interactive AI with advanced natural language understanding and generation capabilities. It can perform a wide range of tasks, including conversation, writing assistance, and information retrieval. ChatGPT can act as a virtual advisor, providing explanations and clarifications on complex topics; users can train ChatGPT on specific datasets. [44] One of the key features is the ability to save different versions of AI responses to the same input.

\* Cons: May generate inaccurate or meaningless responses; limited knowledge after training ends in 2023. ChatGPT requires regular maintenance and updates to ensure accuracy and relevance, which can be time-consuming and expensive for businesses.

\*Privacy: Generally safe for student use; handles personal data in accordance with OpenAI's privacy policy, does not store personal chat data without consent.

**Perplexity**

\*Specifications: AI is based on large language models, focusing on direct answers with sources, increasing credibility and allowing users to verify information. It also offers real-time access to current data, outperforming other AI chatbots like ChatGPT.

\* Cons: Sources may not always be reliable; accuracy of information may vary. Can sometimes produce less coherent long-form content compared to competitors.

\*Privacy: Policies are usually compliant with data protection regulations; exact terms vary by application. Strong privacy policy; user data is not sold to third parties.

**Gemini**

\*Specifications: Specializes in conversation and user engagement. AI tool is designed to perform multiple tasks, including summarizing and answering questions.

\*Cons: May not be as comprehensive for non-conversational tasks.

\*Privacy: Complies with standard data protection and privacy laws. User privacy and transparency of data usage are prioritized.

**Microsoft Copilot**

\*Specifications: Microsoft Copilot uses the GPT4 model and Bing search to find answers. Seamless integration with the Microsoft Office suite. NLP capabilities are tailored for professional and educational use. Microsoft Copilot also has features such as image recognition and voice recognition, and integrates with the Microsoft ecosystem or Visual Studio.

\*Cons: There are limits on the number of outputs per conversation (30).

\*Privacy: Microsoft generally adheres to strict privacy standards, with a commitment to security and compliance. User data may be used to improve AI and personalize the experience, which may raise concerns about data use and sharing.

**Claude**

\* Specifications: Claude is designed to understand and respond to subtle cues and is well-suited for conversations and complex interactions. Claude can understand complex queries and engage in natural conversations, making it more versatile than narrow AI systems. Developers can train Claude on specific datasets to tailor it to different use cases, increasing its adaptability.

\* Cons: Not widely known; effectiveness may vary. New to the market; may not have the same training reach as more established LLM models.

\* Privacy: Designed with privacy in mind, implementing standard policies.

**BlackBox**

\* Specifications: Provides code completion and code snippets using machine learning; supports multiple programming languages. The web version supports a chat collection/history feature and allows you to open two or more chats in one window at the same time. Can recognize images and help you write code based on them or simply explain structures.

\* Cons: Limited in supported languages ​​and frameworks. May not always provide contextually accurate code suggestions.

\*Privacy: Depends on integration with other services; should be safe for students. Policies vary, but are generally designed to be safe for students, including anonymizing code snippets.

**GitHub Copilot**

\*Specifications: AI pair programmer that provides code snippets, suggests entire lines or blocks of code; learns in the context of the editor. Copilot supports many programming languages. For beginners, Copilot is a learning tool that provides best practices and code snippets that may be unfamiliar to them.

\*Cons: May not always provide optimal code and the quality is now low; requires review as it may follow non-best or other coding practices; intellectual property concerns in code generation. Data used to train Copilot comes from public repositories

\* Privacy: Code recommendations based on public and private repositories may raise concerns. Microsoft Azure Privacy Policy applies.

**Replit**

\*Specifications: Web-based programming platform with collaboration features; supports many programming languages ​​and comes with a built-in IDE.

\*Cons: Free version has limitations on private projects and AI releases. Paid features: Unlimited basic AI chat responses, access to advanced AI model, unlimited private projects.

\* Privacy: Education-friendly; often used in schools. Offers privacy controls and is designed to be safe for educational use.