

# Snake AI: The Smart Search & Math Companion

(Experimental, may be buggy)

**Snake AI** is a versatile, web-based AI assistant designed to provide instant information and advanced mathematical support. It features a clean, professional interface inspired by modern design standards, offering both a comprehensive search experience and a specialized **Math Helper** suite.

Whether you are looking for a complex dictionary definition, researching a global brand, or solving algebraic equations, Snake AI bridges the gap between a traditional search engine and an interactive tutor.

## Core Features

- **Intelligent Search:** Uses a dual-engine approach to pull real-time definitions and encyclopedic summaries for words, companies, and popular websites.
- **Math Helper Overlay:** A dedicated scientific calculator that handles decimals, percentages, square roots, and Pi ( $\pi$ ).
- **Natural Language Math Bot:** A specialized sub-bot that understands word-based math problems (e.g., "nine divided by three") and provides immediate solutions.
- **Customizable Experience:** Features a built-in Dark Mode, a primary color picker for personalization, and a multi-chat sidebar to keep your research organized.
- **Interactive Audio:** Integrated notification sounds to confirm bot responses and enhance user engagement.

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## Credits & Resources

Snake AI was built using powerful open-source tools and data interfaces that allow it to provide accurate, high-speed information:

- [Free Dictionary API](#): Powers the "Dictionary First" engine, providing parts of speech and clear definitions for English vocabulary.
- [Wikipedia REST API](#): Acts as the primary knowledge base for identifying brands, famous figures, and global organizations.
- [Google Fonts \(Roboto\)](#): Provides the sleek, readable typography used throughout the application.
- [Mixkit](#): Provides the high-quality audio assets used for the interface's notification system.
- [DaboiYoshi](#): Inspiration and original platform for the Snake Arcade ecosystem.
  
- [Snake Arcade](#): The only place where this AI chatbot can be found.

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