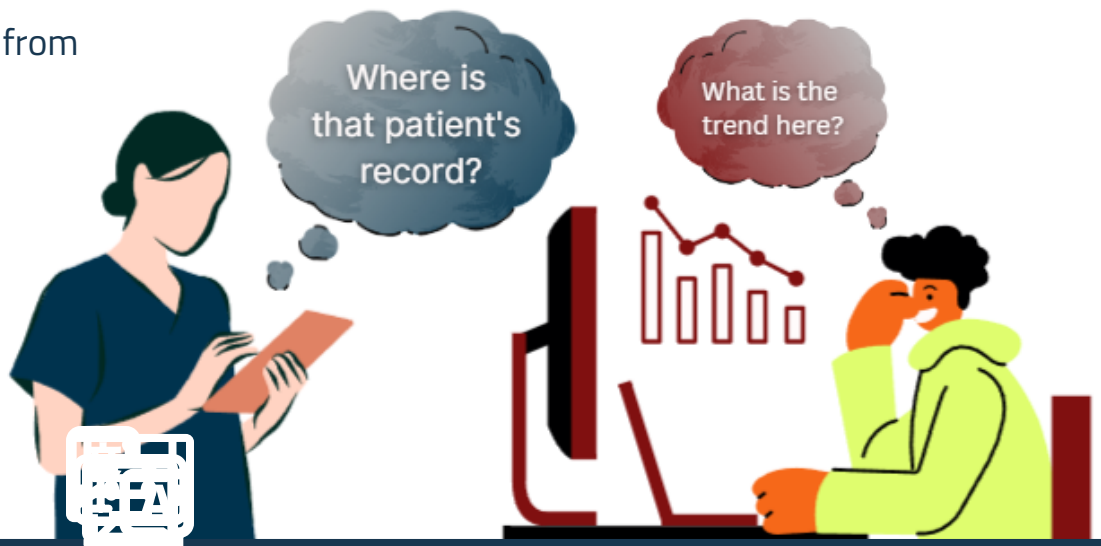# Minerva
Data Assistance Chatbot

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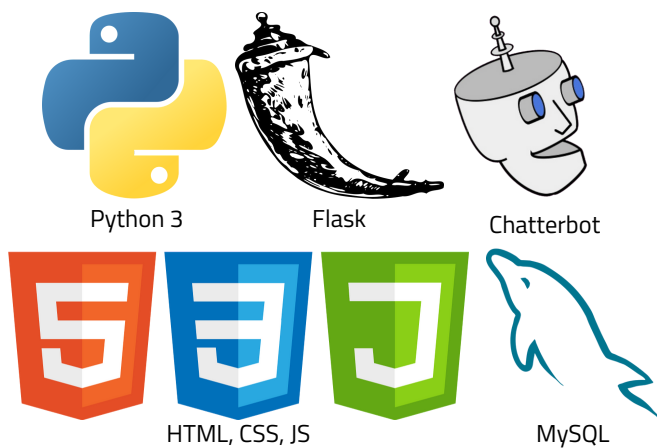
System Overview

Minerva is a system designed to help users gain value from data stored in large relational databases without the need for technical knowledge.

Through conversations with Minerva, users can ask questions, learn about and access the data within these databases, all without the need for any SQL.
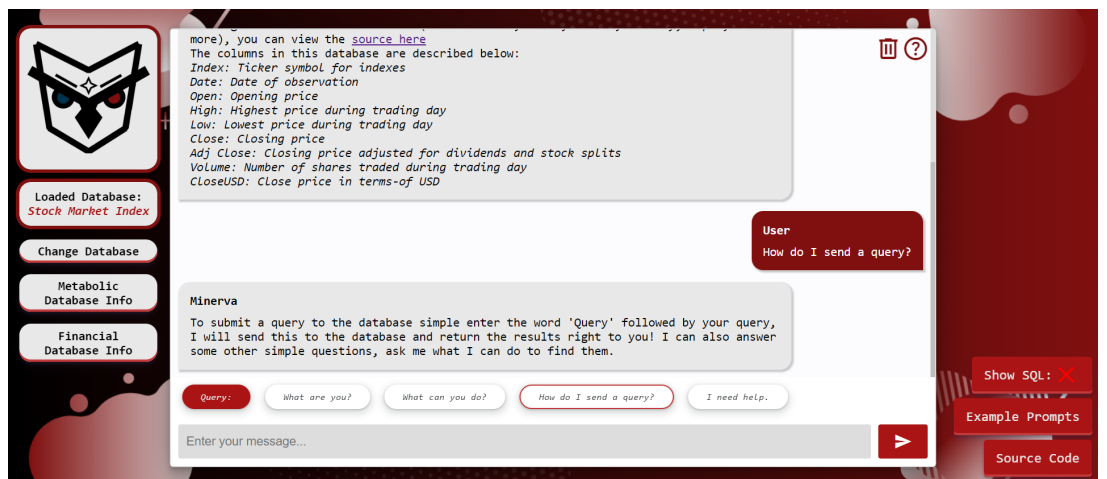
Minerva is aimed at helping users in environments where the data can provide huge benefits but they don't have the time or knowledge to access it.

Where is that patient's record?

What is the trend here?

Technologies used

Python 3   Flask   Chatterbot

HTML, CSS, JS   MySQL

Our Web Interface


```
more), you can view the source here
The columns in this database are described below:
Index: Ticker symbol for indexes
Date: Date of observation
Open: Opening price
High: Highest price during trading day
Low: Lowest price during trading day
Close: Closing price
Adj Close: Closing price adjusted for dividends and stock splits
Volume: Number of shares traded during trading day
CloseUSD: Close price in terms-of USD
```

Loaded Database: *Stock Market Index*

Change Database

Metabolic Database Info

Financial Database Info

User
How do I send a query?

Minerva
To submit a query to the database simple enter the word 'Query' followed by your query, I will send this to the database and return the results right to you! I can also answer some other simple questions, ask me what I can do to find them.

Query: What are you?   What can you do?   How do I send a query?   I need help.

Enter your message...

Show SQL:

Example Prompts

Source Code

How it works

User Input Taken In	Minerva Interprets It	Query Translated	Database Accessed	Response Issued

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