CamoGPT

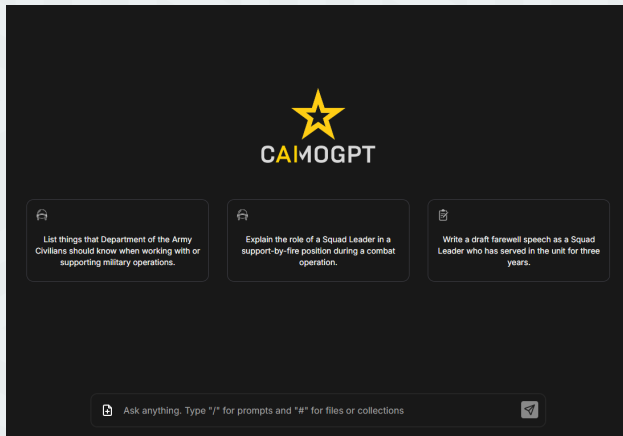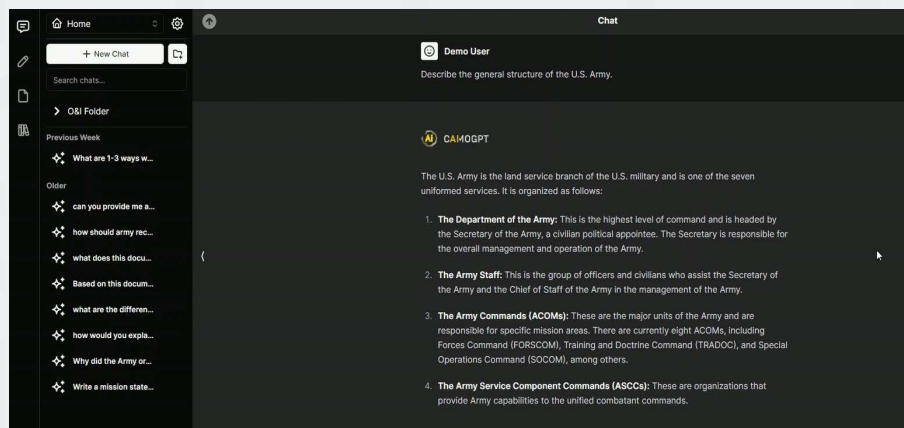## U.S. Army Artificial Intelligence Integration Center (AI2C)

Generative Artificial Intelligence (GenAI) and Large Language Model (LLM) Technologies

- **CamoGPT is a GenAI tool developed as an experimental prototype by active-duty Soldiers for members of the Department of Defense (DoD).** This chat-based application improves productivity at all echelons by processing Unclassified and Classified data.
- One of CamoGPT's standout features is its **ability to process Classified data on SIPRNet**, providing critical support for secure workflows. This ensures that sensitive information remains within the Army's security boundaries while enabling users to perform complex tasks more efficiently.
- On NIPRNet, users may process Impact Level 5 data, which includes **Controlled Unclassified Information (CUI)**.
  Note: tool not authorized to process PHI and PII.

Features

- Retrieval Augmented Generation (RAG): **file upload capability**
- GPU-enabled Inference; default model is Mistral Large 2 (123 billion parameters; released July 2024)
- Model agnostic; ongoing collaboration with Microsoft Azure OpenAI (AOAI) forGPT-4 and other connections
- **Shared Workspaces** for collaboration within organizations
- Text summarization, generation, translation
- **Persistent chat history** for users
- Create **custom prompts** for routine tasks
- Temperature Bar: Control CamoGPT's creativity and precision

Future Developments

- Enterprise-level RAG: Simultaneous processing of thousands of documents to provide more comprehensive answers from organizations' datasets.

- Connections to External Data Sources: Integration with Classified and Unclassified (e.g. Sharepoint, Army Publication Directorate, etc.) data sources to broaden the scope and depth of the information it can access and analyze.

- API Access: Offering an API endpoint will enable other developers to benefit from GPU-enabled compute and access to performant LLMs within the military's digital domain.

- Interaction with Live Data: Natural language queries on live databases; CamoGPT's supporting LLM will combine with queries on units' live data to return an easily understandable answer. *Example: "How many vehicles from the 101st Airborne Division are due for maintenance this month?"*

Account Creation:
  https://forms.osi.apps.mil/r/WcarqEAYxL
NIPR: https://omni.army.mil/camogpt
SIPR: https://omni.army.smil.mil/camogpt
Email: usarmy.camogpt@army.mil

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