

Deliverables

- Attend all virtual training events held Wednesday evenings 6pm 8pm ET.
- Register for the 2025 ADMI Symposium (travel support provided)
- Complete the Bandit "War Games" units 25-33 on "UNIX command line scripting".
- Submit an application to the Summer 2025 REU program for Purdue's Anvil supercomputer. (Closes Feb. 15th, 2025)
- Create a GitHub repository with generated source code.
- Create and present a research poster of created project.

Links can be found on the SGX3 Codeathon Training 25 Event Site: https://hackhpc.github.io/sgx3codeathontraining25/





Al-Powered Science Gateway Assistant

- Natural Language Processing: Employ NLP techniques to enable the chatbot to understand and interpret user queries effectively.
- Machine Learning: Integrate machine learning algorithms to allow the chatbot to learn and adapt to user behavior, improving its responses and recommendations over time.
- Science Gateway Integration: Connect the chatbot to various science gateway tools and resources, providing a centralized access point for researchers.
- User Interface Design: Develop an intuitive and user-friendly interface that facilitates seamless interaction between researchers and the chatbot.
- Knowledge Base: Create a comprehensive knowledge base of science gateway tools, resources, and research domains to enable the chatbot to provide accurate and relevant information.





Method

- Pick a project as a group
- Break the project into tasks
- Break the tasks into skill sets
- Set leads for the skills sets to direct the tasks
- Select communication platform(s)
- Use Al as must as possible to do the coding for us





