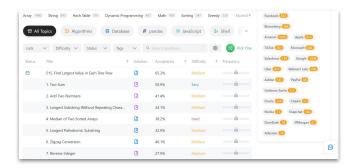
# Mockmate: Al Powered Technical Job Interview Preparation

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## **Motivation**

- Inefficient traditional interview prep
  - Requires domain expertise in interviewer
  - Inconsistent feedback
  - Misses nuances of specific roles or industries
  - Easy to over-prepare, under-prepare, or prepare for the wrong skills
- Provide immediate, actionable, and unbiased feedback
- Identify weaknesses in specific areas
- Breakthroughs in LLMs allow for personalization
- We're graduating seniors that need jobs







### **Use Case Scenario**

#### Guided Problem Solving

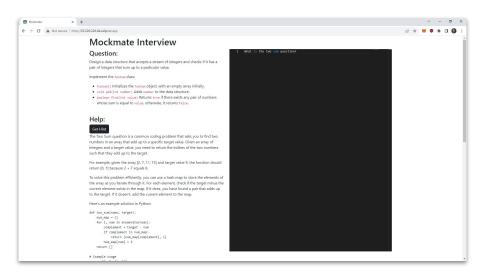
 Instead of reading the entire solution, the software guides you through the problem step-by-step

#### Stronger Understanding

 Target specific techniques, focus on topics that actually help you improve

#### Realistic Simulation

 Robust and minimal user interface with built-in editor, mimicking a real interview





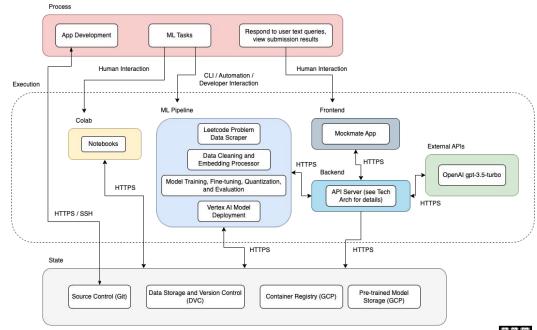
## **Challenges and Scaling**

#### Model Training

- Scraped and prepared training problems from online
- Used PEFT methods (QLORA) to fine-tune Open-Llama models

#### Containerization

- Every component (i.e. API server, Model, Data Scraper) has its own Docker container
- Used Ansible and Kubernetes to automatically scale up, configure, and deploy containers to GCP







# Thank you!

Github Repository: <a href="https://github.com/jeremyzhang1/AC215\_Mockmate/">https://github.com/jeremyzhang1/AC215\_Mockmate/</a>