PhireBlast

Create sample patient data in structured format

Data Creation

Limited access to test data and environments poses challenges for innovative companies in healthcare solution development, highlighting the need for non-personally identifiable datasets to advance technically.
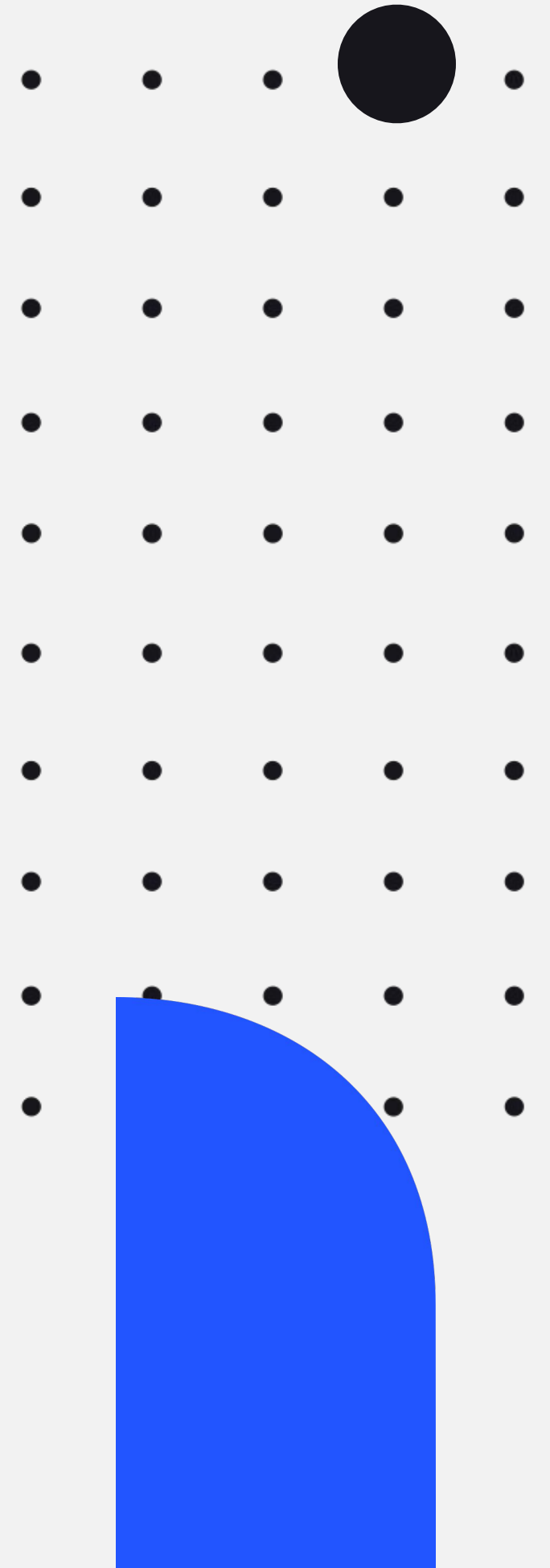
Problem

PhireBlast

A software tool to generate synthetic test patient data conforming to standards like FHIR, addressing constraints in accessing real patient data and fostering innovation through simulated scenarios to enhance healthcare solutions.

Solution

Technology

We used the Phi-2 small language model from Microsoft to create test data. We provided variables like name, gender, age and medical conditions to Phi-2. The result is either JSON or structured text that can be easily converted into healthcare standards like FHIR.

Market

SAM

6000 hospitals in USA times average of 1000 patients per year = 6 million

TAM

(6000 hospitals plus 100000 private doctors) times 1000 patients = 106 million

SOM

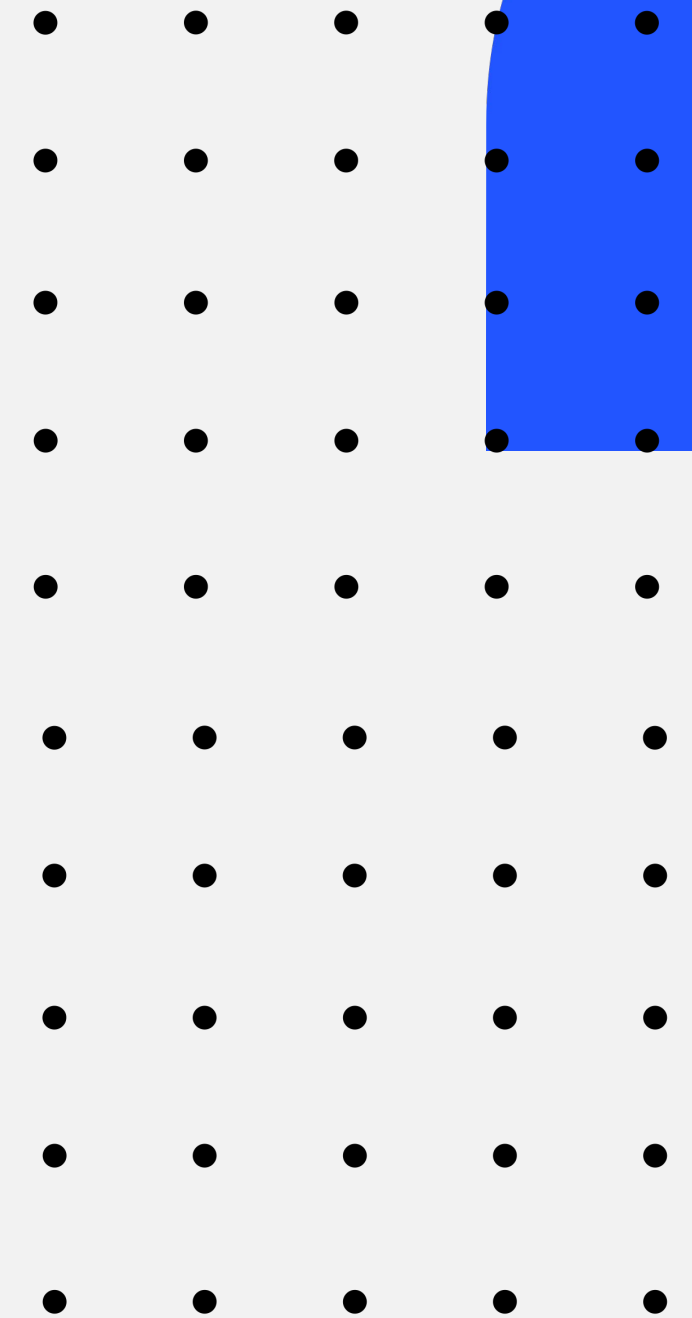5 percent of SAM = 300000

Demo
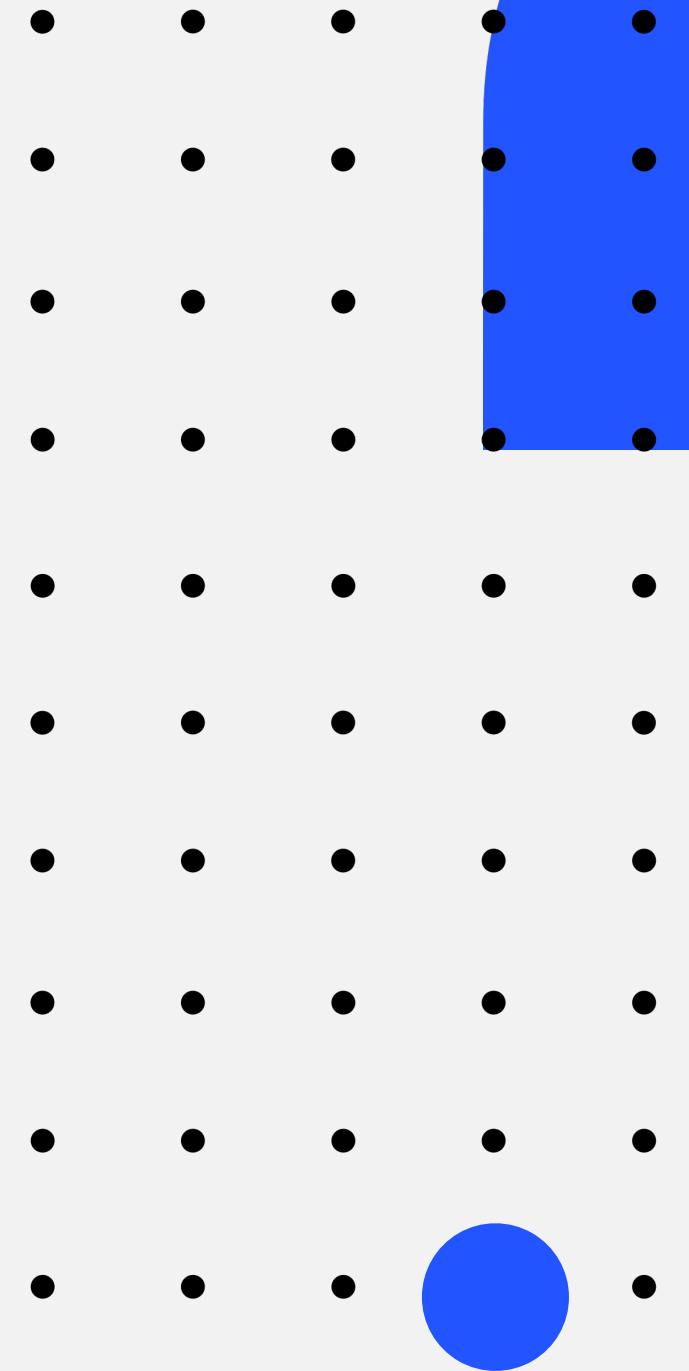

https://colab.research.google.com/github/datjandra/PhireBlast/blob/main/PhireBlast.ipynb

Team

We utilize advanced technology to address issues like healthcare accessibility and disease prevention, emphasizing creativity, collaboration, and ethical principles among our diverse team of computer science, engineering, and data science experts to develop scalable solutions for pressing issues.

Thank You

Thanks to LabLab for hosting.

Do you have any questions?

https://discord.gg/8CTd8ShKQq