How using AWS Data Exchange can answer tough questions

Kaitlin Swartwood, Natasha Cherneykina
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Welcome

Kaitlin Swartwood
Startups Business Development Manager
AWS Data Exchange

Natasha Cherneykina
Software Development Manager
AWS Data Exchange

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AWS Data Exchange Challenge
aws marketplace

Overview | Participants (1359) | Rules | Project gallery | Updates | Discussions | Categories | Resources | Featured Providers

Build answers to tough questions on AWS using hundreds of data sets from AWS Data Exchange

AWS Data Exchange makes it easy to find, subscribe to, and use third-party data in the cloud. Data scientists, data analysts, and developers in nearly every industry use AWS Data Exchange for access to 3rd-party data to drive analytics, train machine-learning models, and make data-driven decisions. Today, AWS Data Exchange contains over 2,300 data products from 120+ providers from a broad range of domains including healthcare, financial services, retail, and more.

The AWS Data Exchange Challenge is an opportunity for you to show off your skills, learn something new, collaborate with other developers, and get a shot at part of $35,700 in prizes.

You're invited to build solutions to answer tough questions using 3rd-party data products from AWS Data Exchange.

The AWS Data Exchange catalogue is available globally with commercial data products from category-leading data providers across industries such as financial services, healthcare, retail, media & entertainment, and more. AWS Data Exchange includes hundreds of free data sets too, including data collected from popular public sources, as well as trials for commercial products so customers can explore before they subscribe. AWS Data Exchange removes the friction of finding, licensing, and accessing data, eliminating the need to receive physical media, manage FTP credentials, query syndicated data platforms, or integrate with different APIs from multiple providers. Once subscribed to a data product, entitled customers use a single AWS Data Exchange API to natively copy the data sets from any provider. Revisions are pushed to subscribers as they are published via CloudWatch events to ensure their automated workloads process the most current data.

This hackathon has ended.
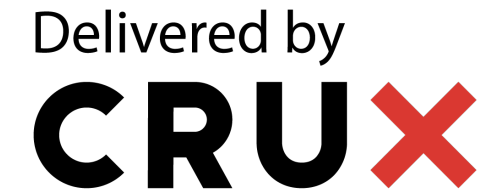
Discover more hackathons

View the winners

Tell your friends

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Featured data providers

KOCHAVA COLLECTIVE

experian.

Delivered by
CRUX

EDI

SWARMODE

unacast.

dun&bradstreet

Facteus

aws

PRIZES

$35,700 in prizes

⭐ **Best in Data Visualization**

• $5,000 USD
• $4,000 AWS Credits
• Meeting with AWS Data Exchange service lead
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Best in Data Analysis**

• $5,000 USD
• $4,000 AWS Credits
• Meeting with AWS Data Exchange service lead
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Best in Data and Machine Learning**

• $5,000 USD
• $4,000 AWS Credits
• Meeting with AWS Data Exchange service lead
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Best Healthcare Solution**

• $1,500 USD
• $1,000 AWS Credits
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Best Financial Services Solution**

• $1,500 USD
• $1,000 AWS Credits
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Best Retail Solution**

• $1,500 USD
• $1,000 AWS Credits
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Honorable Mention (2)**

• $500 USD
• $100 AWS Credits
• Featured in AWS Blog Post
• Featured on select AWS social channels

⭐ **Large Organization**

• Recognition only
• Featured in AWS Blog Post

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JUDGES

Garth Fort
Director PM, AWS Marketplace

Stephen Orban
GM, AWS Data Exchange

Colin Marden
Global Solutions Architect

Nam Le
Sr. Solutions Architect, AWS Marketplace and Data Exchange

Kanchan Waikar
Sr. Solutions Architect, AWS Marketplace and Data Exchange

JUDGING CRITERIA

Quality of the Idea
(Includes creativity and originality of the idea.)

Implementation of the Idea
(Includes how well the idea was executed by the developer and the extent to which the underlying data was leveraged by the developer.)

Potential Value
(Includes the extent to which the solution has the most positive impact for users and/or customers.)

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Winning Solutions
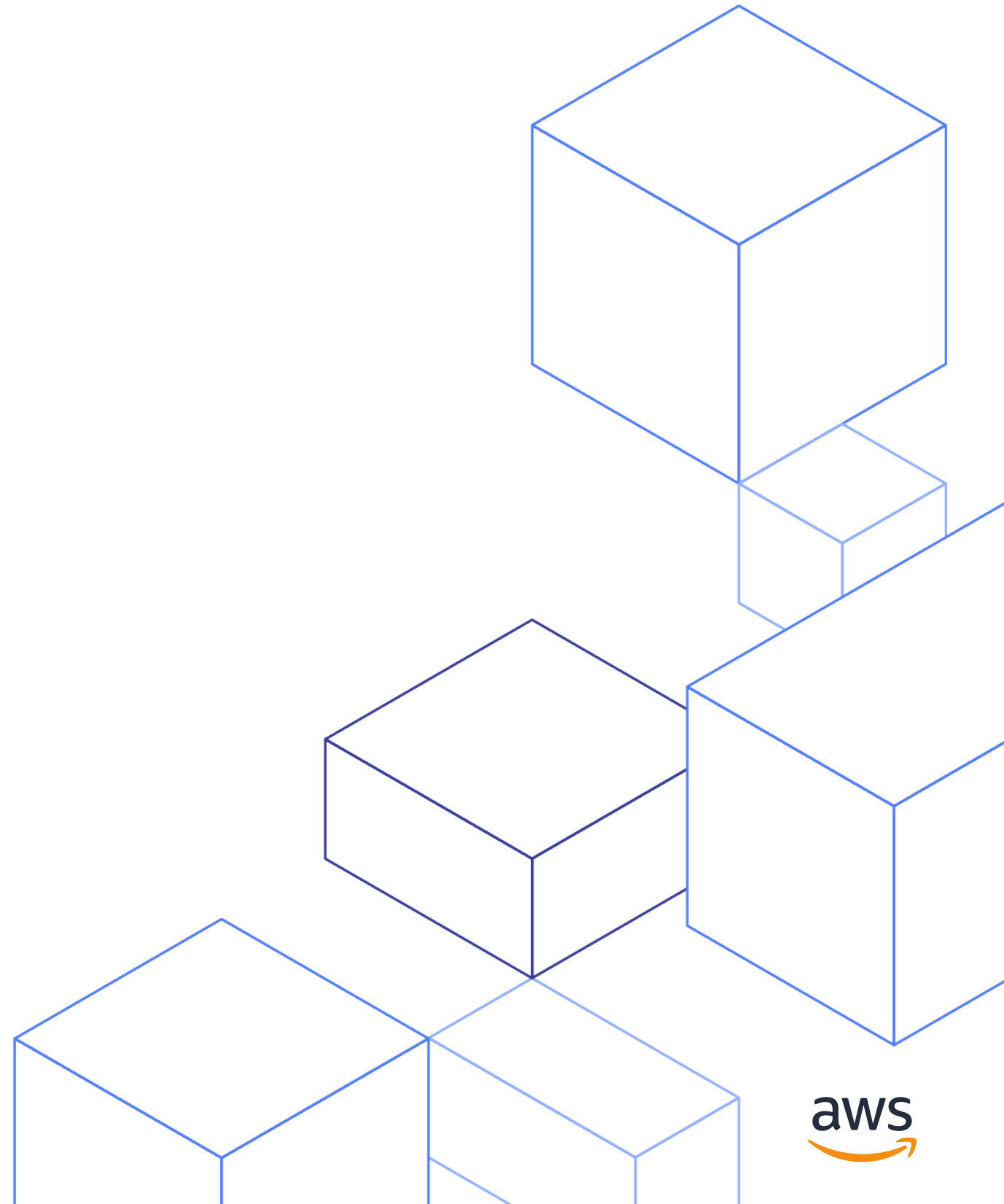
Access and Equity:
Health Vulnerability Mapper COVID-19

An interactive map-based web application that highlights the relationships between socioeconomic disparity and COVID-19 across the U.S. in an intuitive, real-time, & tangible medium.

CREATED BY

Ethan McFarlin
Harvard College Freshman

Iris Xia
Stanford University
Freshman
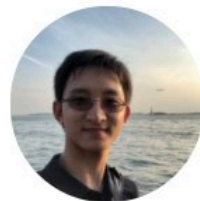
Sean Yang
Incoming Amazon Intern •
Harvard College Freshman

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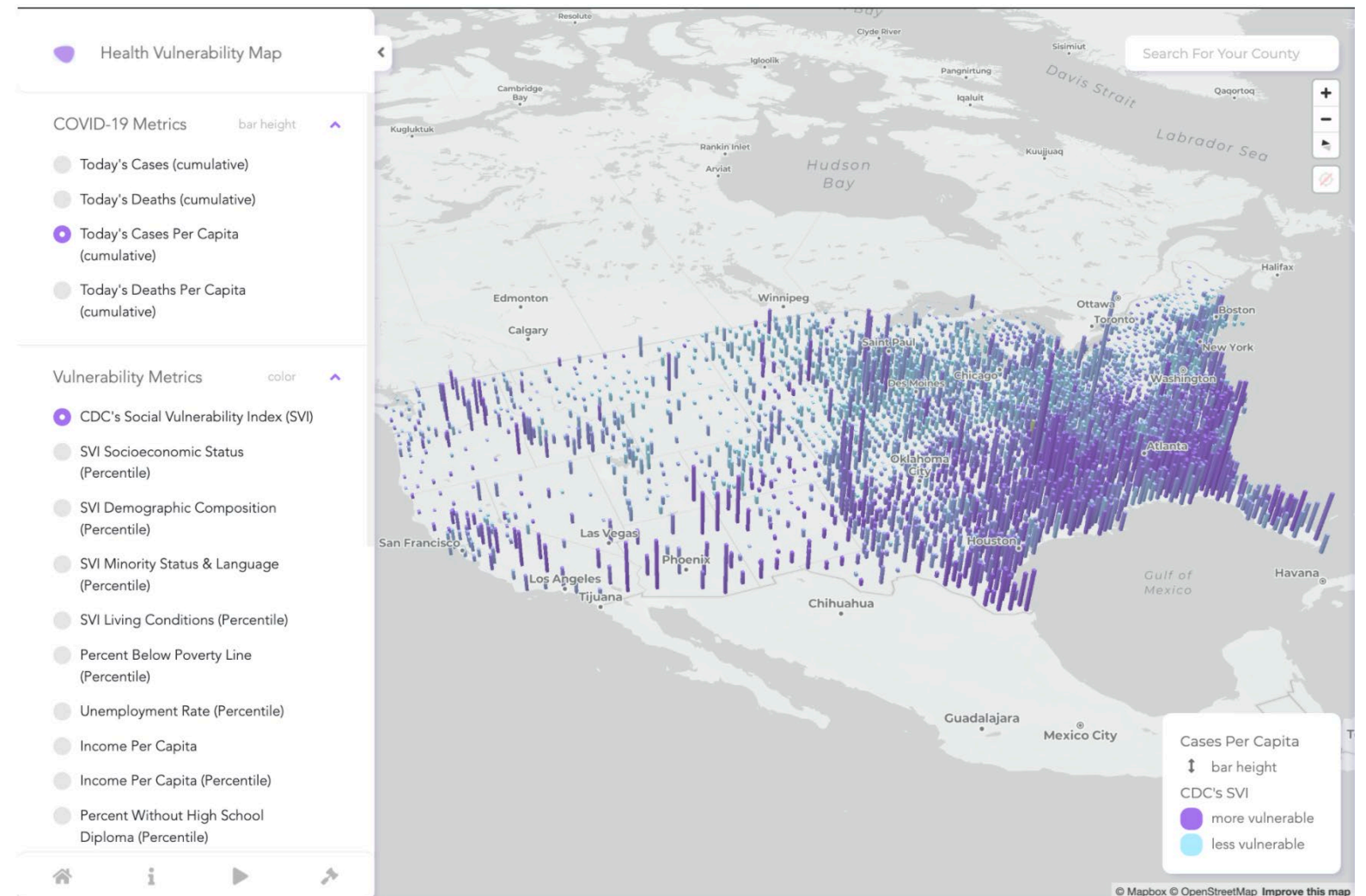
graphMap

Analyze relations between multiple datasets with geo-location and network science

CREATED BY

Horacio Canales

Santiago de Querétaro, Qro., MX

To use graphMap:

Drag the marker on the map, select the radius in kilometers, and click search.

SEARCH

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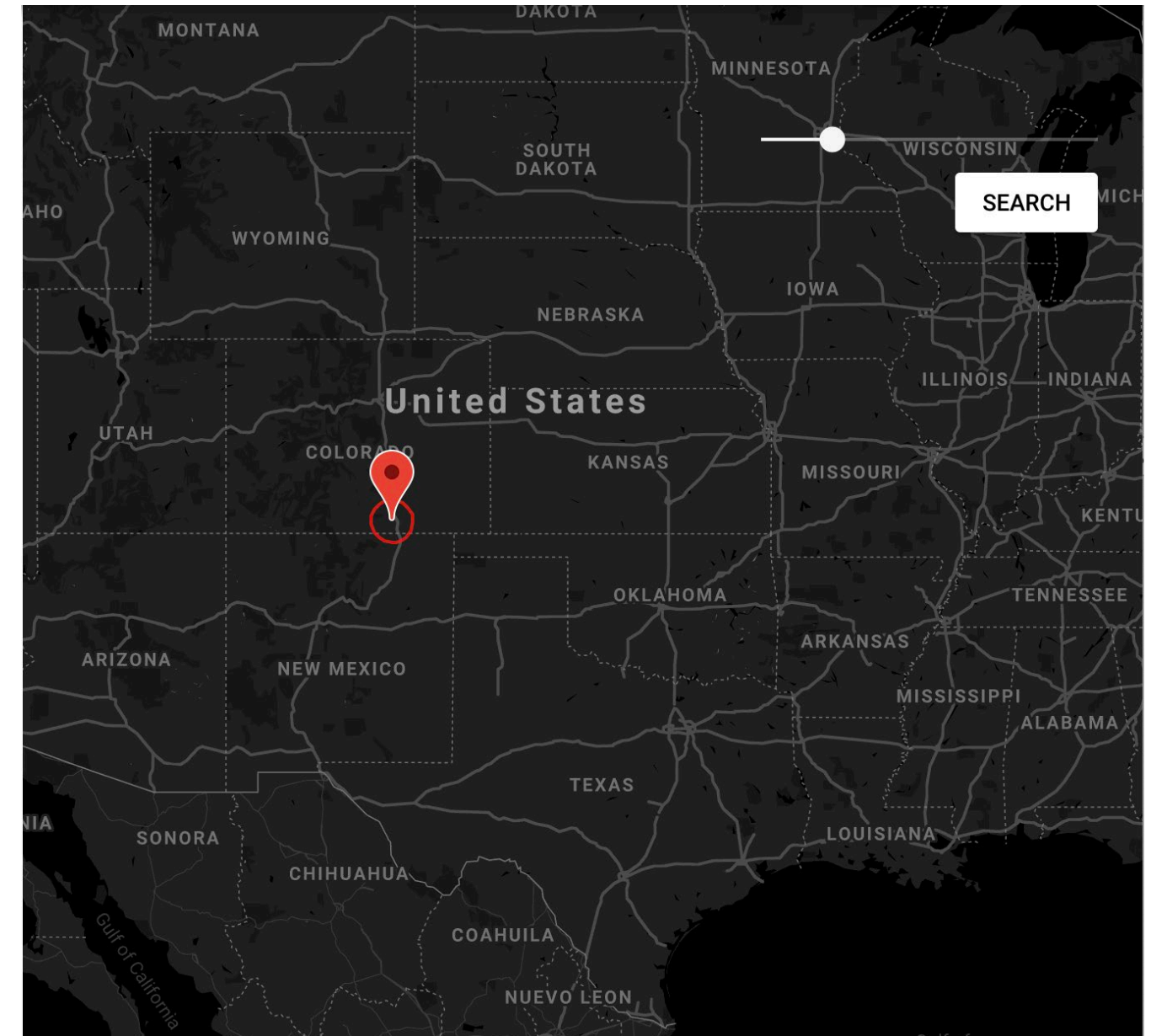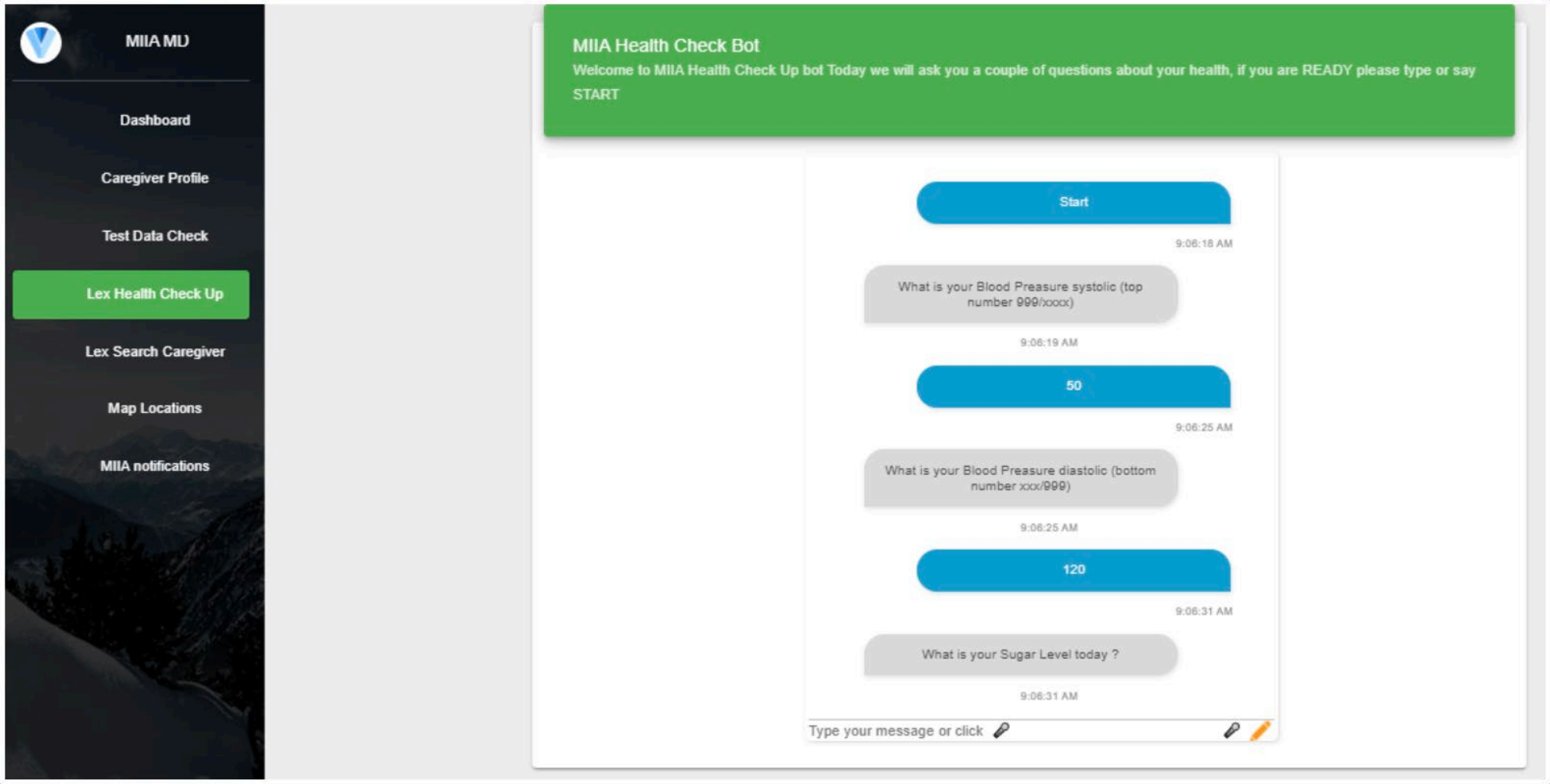
Medical intelligence applied (MIIA MD)

A two-way health management platform for seniors and caregivers

CREATED BY

- Karim Khattaby
- Deepesh Grover
- Chloe Chen
- kevin patel
- Billy Zeng
- Rohail Khan
- Akhilesh Iyer
- Ava Chan
- marcos a oliva
- Li Agnes
- Alice Tang
- Megan Thong
  Aspiring data scientist/software engineer

MIIA MD

- Dashboard
- Caregiver Profile
- Test Data Check
- Lex Health Check Up
- Lex Search Caregiver
- Map Locations
- MIIA notifications

MIIA Health Check Bot
Welcome to MIIA Health Check Up bot Today we will ask you a couple of questions about your health, if you are READY please type or say START

Start
9:06:18 AM

What is your Blood Preasure systolic (top number 999/xxx)
9:06:19 AM

50
9:06:25 AM

What is your Blood Preasure diastolic (bottom number xxx/999)
9:06:25 AM

120
9:06:31 AM

What is your Sugar Level today ?
9:06:31 AM

Type your message or click

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Claims ML based Subrogation Recovery Prediction

Get a little closer to reality!

CREATED BY

Priyanka Balakumar

Manisha Kumari

Sumeet Kumar

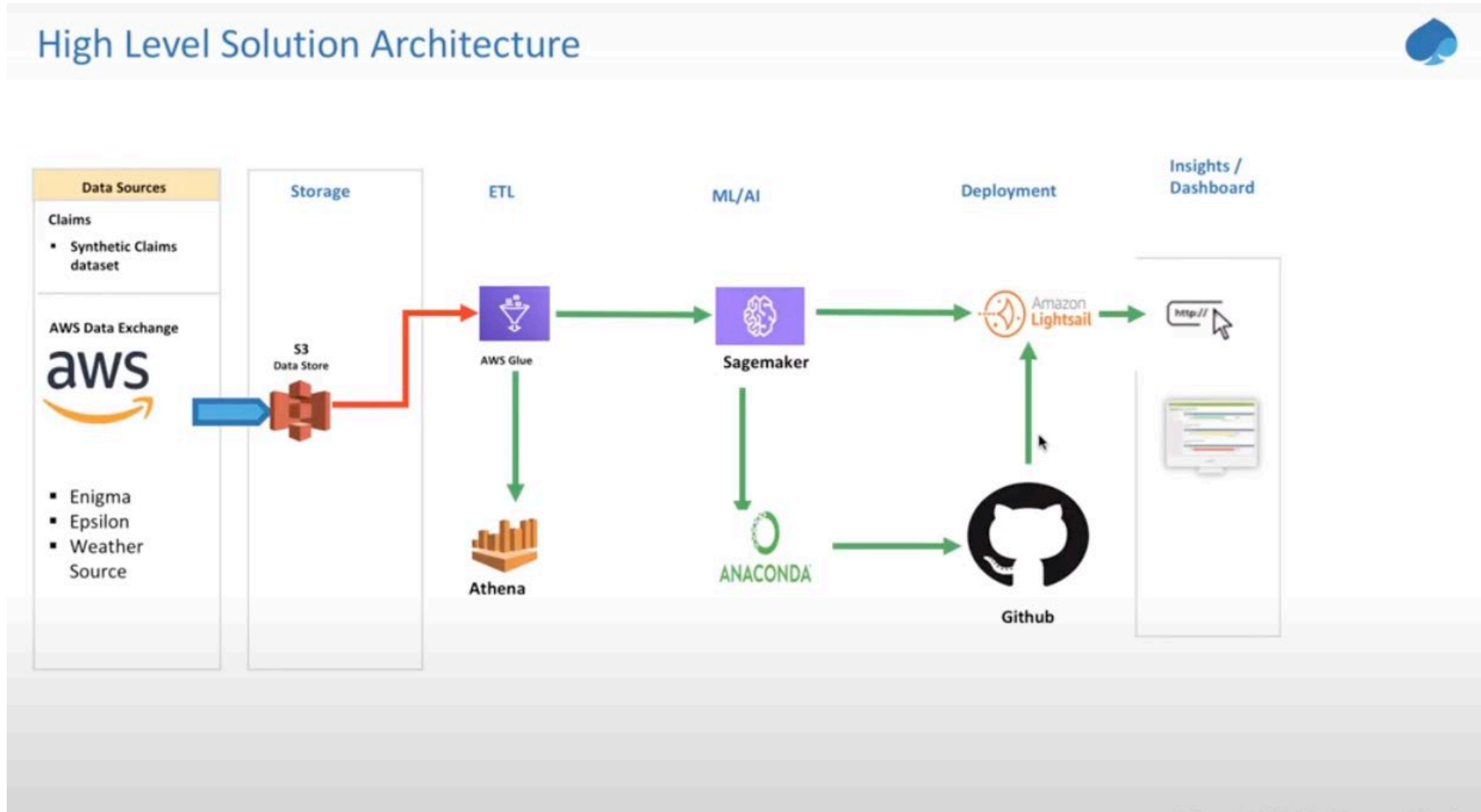Vedant Vasishtha

Giridhar Mynampati

High Level Solution Architecture

TrackMyCovid

A mobile app which gives you a risk analysis of contracting COVID19 based on the places you have been to and analyzing the amount of cases recorded and your time spent in each place.
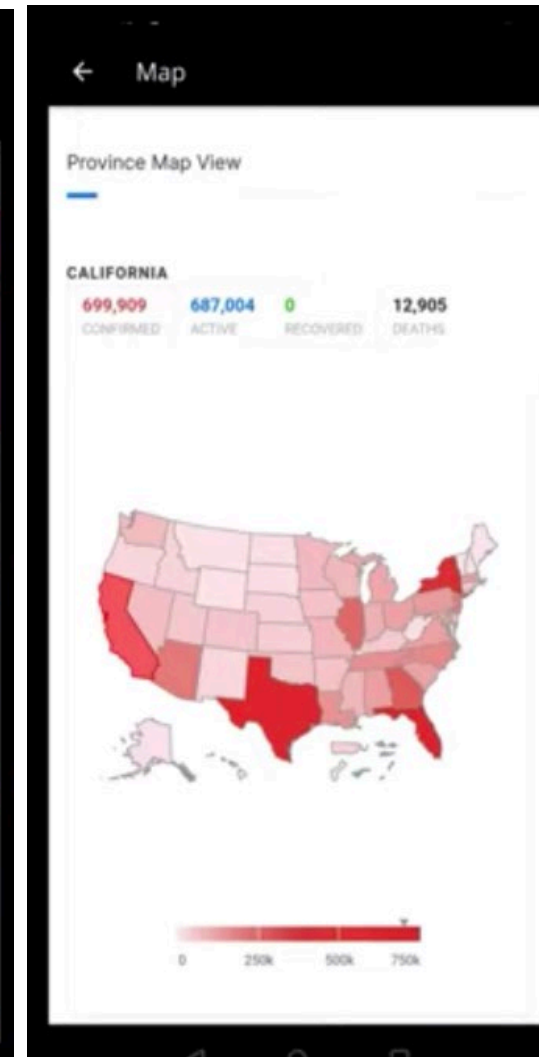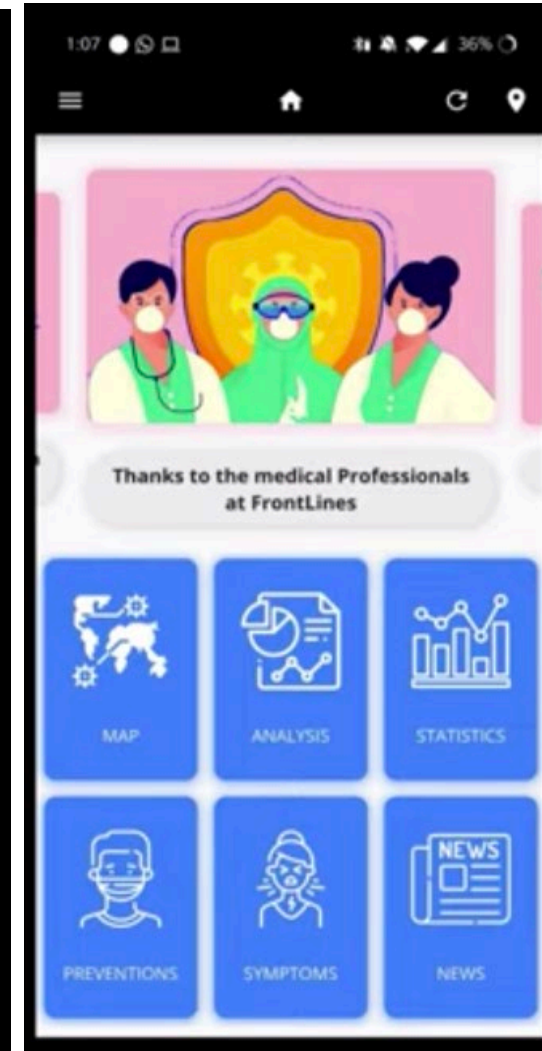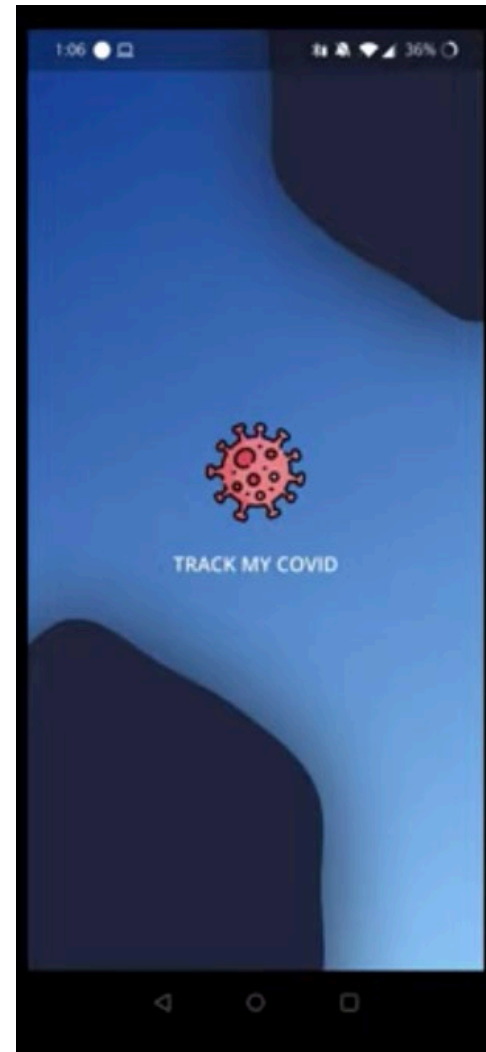
CREATED BY

Rohit Ganti

Abhishek Kumar

appidi abhinav

KrishNa

Arshdeep Singh
WINNER - AWS DATA EXCHANGE || GOCC(Google Online Coding Challenge) || Github Arctic Code Vault Contributor || Flutter ||

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freshAir

Track air pollution across the world and see its impact instantly.
How can we keep our air FRESH?

CREATED BY

Nicole Streltsov
Engineering Science student at the University of Toronto

Siddharth M

aws

Congratulations to all category winners!

Stay connected to upcoming events:

https://awsdataexchange.devpost.com/project-gallery

https://pages.awscloud.com/aws-data-exchange-newsletter-registration.html

https://aws.amazon.com/data-exchange/macroeconomics

https://aws.amazon.com/data-exchange/covid-19

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Q&A

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