DIABETES IN THE U.S.

2010

23.6 million

2050

>60 million

U.S. CDC Study

World Health Organization

108mil

1944

422mil

2014

http://www.who.int/news-room/fact-sheets/detail/diabetes

PHAT
BUSTERS
THE TEAM

Diana Miron

Mihail Serafim

Adrian Oprea

Mihai Crăciun

PHAT
BUSTERS

Mission statement:

BESPOKE NUTRITION

LOVE is the
best ingredient

THE PROBLEM

What is the right diet for humans?

THE RIGHT DIET

- IS CHOLESTEROL BAD FOR YOU?
- IS A LOW CARB DIET HEALTHY?
- SHOULD YOU BE A VEGETARIAN?
- ARE DAIRY PRODUCTS GOOD?

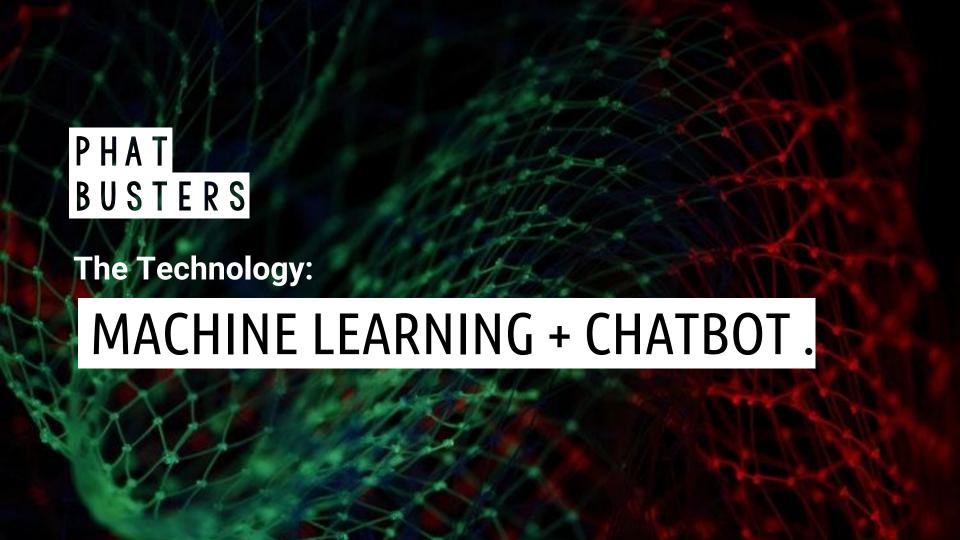**SHOULD BE DATA-DRIVEN!**

THE PROBLEM

What is the right diet for humans ?

What is the right diet for me?

THE RIGHT DIET SHOULD

- ✅ **CUSTOMISE THE MEAL PLAN BASED ON YOUR DATA**

- ✅ **INCLUDE WHAT THE USER LIKES/DISLIKES**

- ✅ **TAKE INTO ACCOUNT HEALTH GOALS**

- ✅ **USE SEASONAL AND EASILY ACCESSIBLE RECIPES**

THE SOLUTION

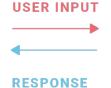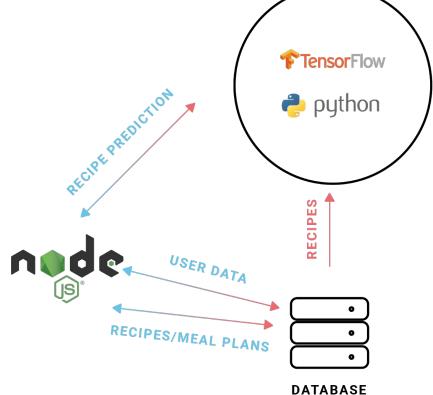**P**ERSONAL

HEALTH

ASSISTIVE

TECHNOLOGY

TECHNOLOGY

PHAT
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DATAFLOW
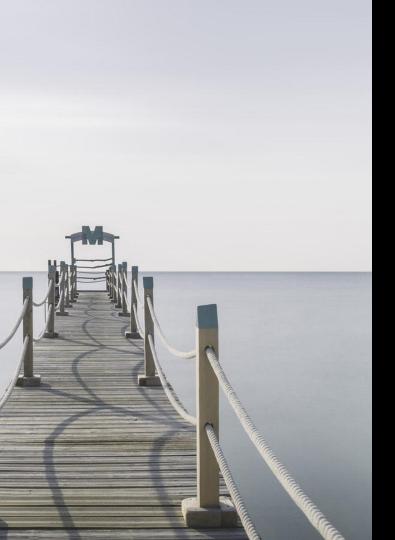
SEMANTIC TEXTUAL SIMILARITY
(UNIVERSAL SENTENCE ENCODER)

TensorFlow

python

RECIPE PREDICTION

RECIPES

MESSAGES

wit.ai

USER INPUT

RESPONSE

node

USER DATA

RECIPES/MEAL PLANS

DATABASE

WHAT WE DID THIS WEEKEND

1 Semantic Textual Similarity for matching user input to Recipe Database (Google Colab, TensorFlow, Universal Sentence Encoder from TensorFlow Hub)

2 Wit.ai powered chatbot for interpreting user input

3 Node.js backend for receiving user data and responding to it

THE FUTURE

» Option of increased accuracy using **prediction of glycemic responses**

» Meal delivery suggestion based on proximity

» Additional data points: activity tracker, season/weather, personal events

» Multi-platform availability (Skype, Twitter, WhatsApp, SMS, etc.)

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Q&A

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Thank you!