



#AI #Personalisation #SaaS
#DigitalTransformation



Powering Taste-Led Personalisation



About Crayon

The problem we solve

Power of Personalization

Proposition -maya.ai demo

Case Studies

What sets us apart

Under the hood

Crayon Data

Simplify the world's choices



Crayon: ['krey-on]

first drawing tool for most of humanity

easiest tool for anyone to use , no instruction manuals needed

colourful tool for vivid story-telling

non-toxic

CrayonData: ['krey-on dey-tuh] *circa 2012*

Platform or tool that made data simple to understand and easy to use

Enabled people to utilise data to improve their performance

Company that democratized the world of big data and AI

8-year old leading Big Data & AI Start-up, recognized on global platforms

Founders & Leadership



[Suresh](#)



[Srikant](#)



[IVK](#)



[Bhavani](#)



[Aarti](#)



[Ajoy](#)



[Sunil V](#)

Funding



Kris Gopalakrishnan-
Infosys Co-Founder

Offices



100+ Tech &
business team



Singapore & Chennai



Local presence in
Dubai, UK, Myanmar

Awards & Accolades



Top 5, IBM Watson Global
Developer Challenge



Finalist at CODE.n 2014 @
CeBIT, Hannover



Winner at TiECON,
Silicon Valley 2014



Top 3 in Orange Fab Asia



Top 40 Vendors globally in the
Digital Personalization space



Among top 15 finalists at
Emerging Enterprise Awards
2019, Singapore



Special Jury Award in
Analytics Solutions, Express
IT Awards 2019



Chosen to Demo at
FinovateEurope 2020

Global Deployments





Billions of
Consumers want
to be celebrated
for their
individuality

Life is, and must be, all **personal**

Choice is **abundant**, so is (conflicting)
information, wants it made **relevant**

Journeys must begin and end on **digital**



Thousands of
traditional
enterprise (banks,
retail, airlines)
leaders
continue to treat
them alike

Multiple engagement channels – DM, SMS,
Email, Push Notification, Social platforms

Multiple tools (digital, analytics, CRM...)
but still in “Spray & Pray” mode

Consumer attention slipping away

Margins under pressure

A woman with curly brown hair is looking down at her smartphone with a frustrated or annoyed expression. She is wearing a dark grey sleeveless top. The background is a blurred outdoor setting.

Scale of problem:
Massive.

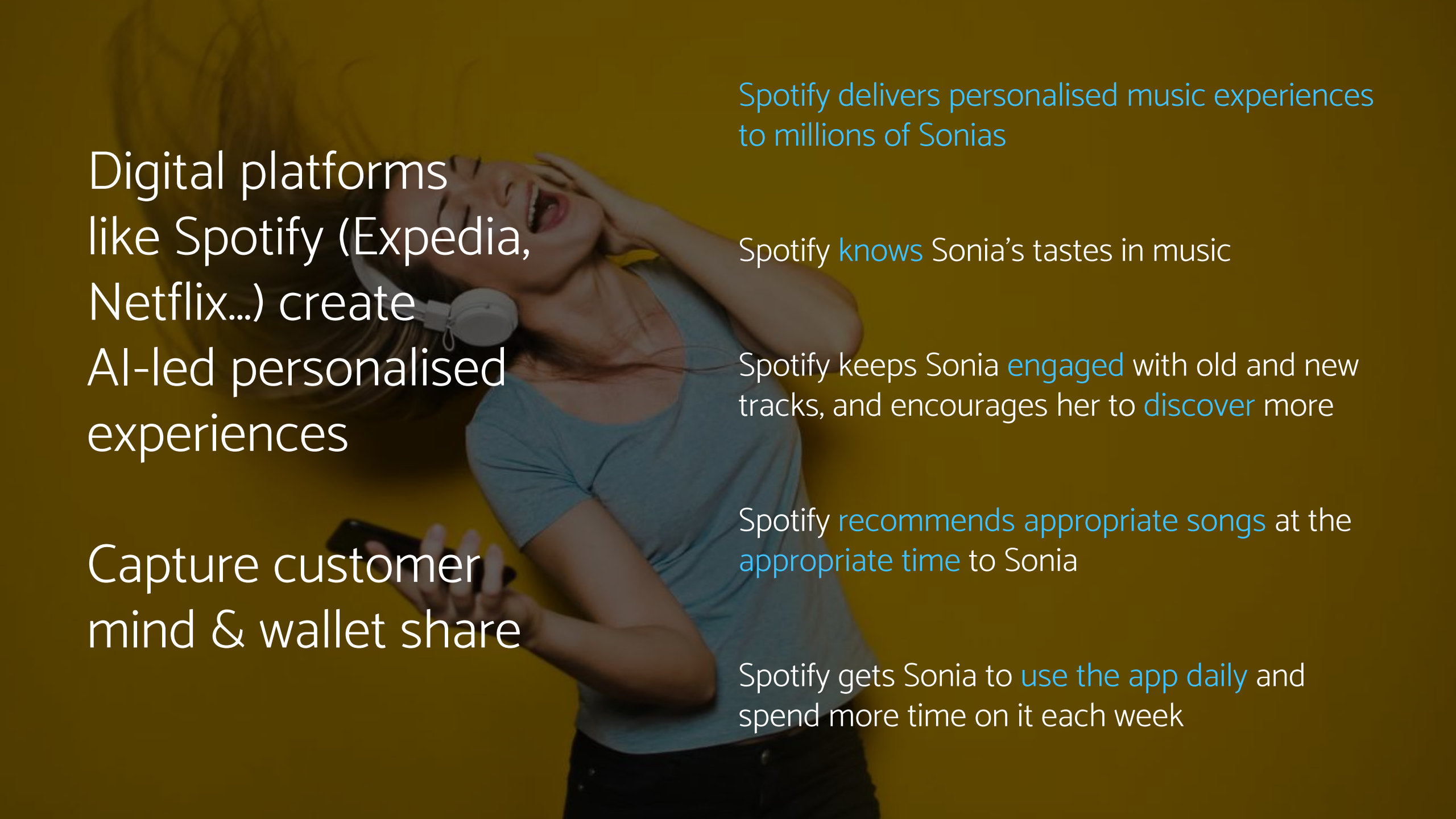
Billions of
irrelevant messages.
Every day.

Card holders: ~22bn

eCommerce visitors: ~58bn

Airline passengers : ~4.1bn

Hotel users : ~1bn

A woman with long brown hair, wearing a light blue t-shirt and dark pants, is shown from the waist up. She is wearing large white headphones and has her eyes closed, mouth open in a joyful expression, and her hands are raised near her face as if dancing or listening to music. The background is a solid, bright yellow color. The text is overlaid on the left side of the image.

Digital platforms
like Spotify (Expedia,
Netflix...) create
AI-led personalised
experiences

Capture customer
mind & wallet share

Spotify delivers personalised music experiences
to millions of Sonias

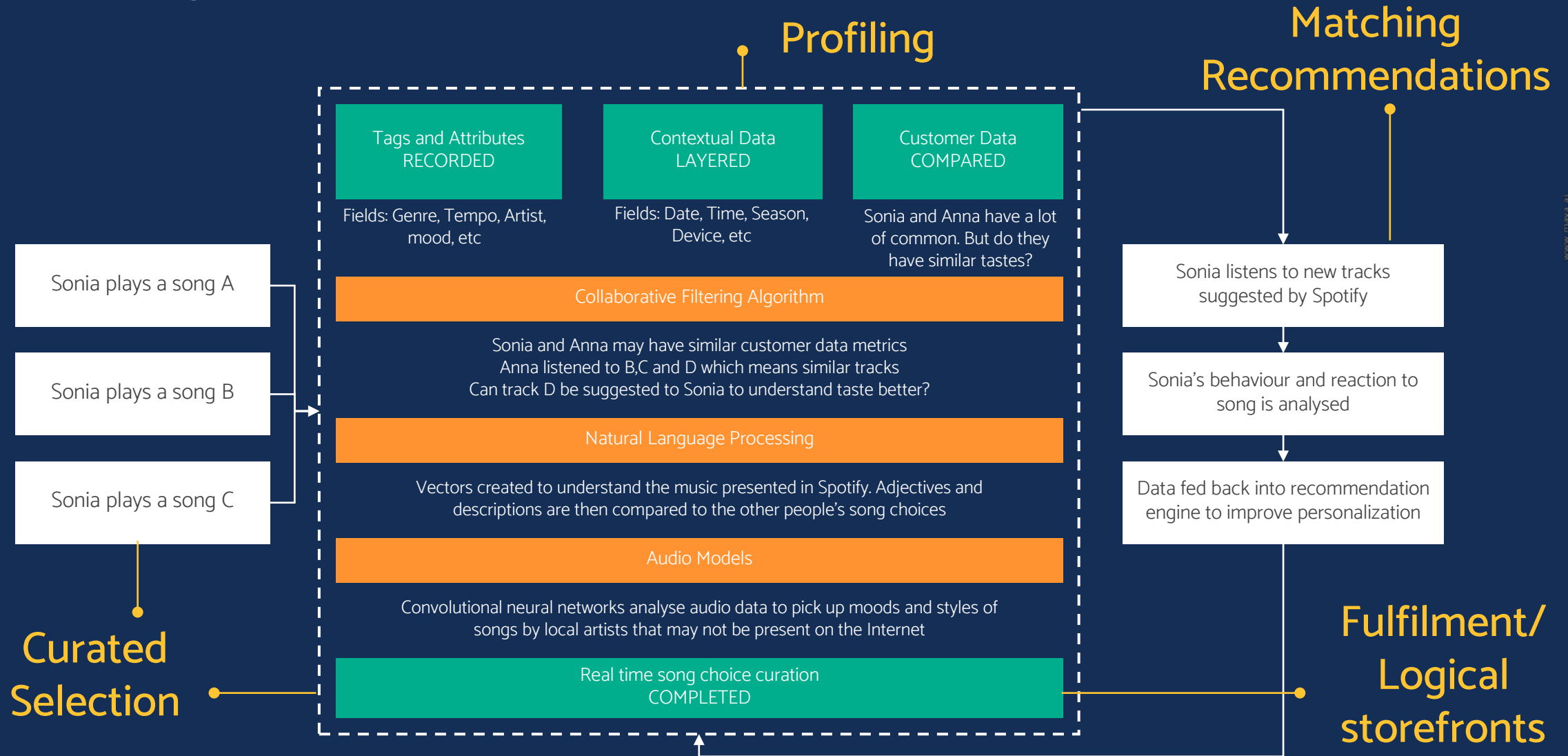
Spotify **knows** Sonia's tastes in music

Spotify keeps Sonia **engaged** with old and new
tracks, and encourages her to **discover** more

Spotify **recommends appropriate songs** at the
appropriate time to Sonia

Spotify gets Sonia to **use the app daily** and
spend more time on it each week

200M customers, 140M songs, 28 quadrillion choices...
providing 4-6 relevant choices is a non-trivial problem



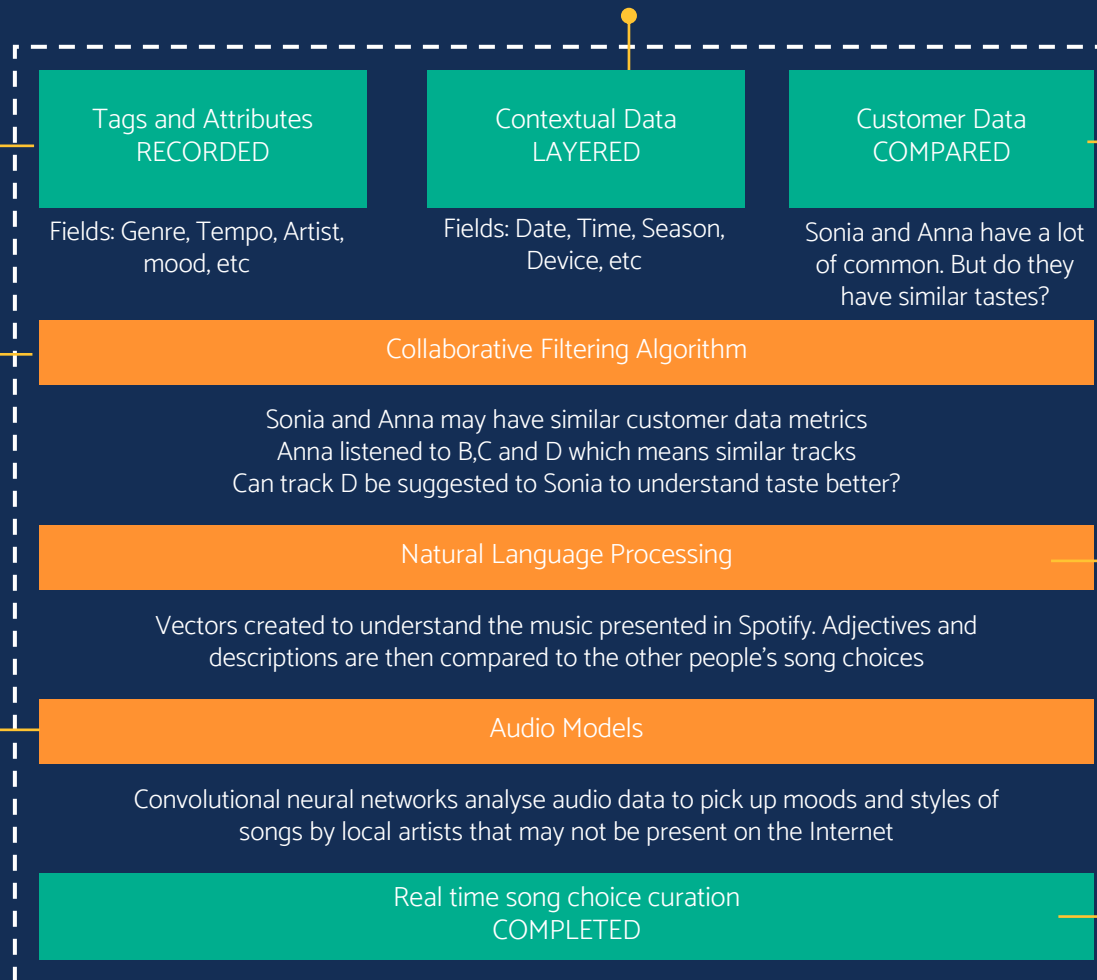
Hard for enterprises to recreate this... challenges in use of big data, personalization & one-click fulfilment

Can be accessed on digital assets

Need for enriched merchant data

Ability to clean merchant and match across datasets including transactions, offers, external data, etc.

Algorithms that go beyond segmentation to look at customers individually



Strength of a bank

Purchases are the strongest evidence of intent and preference

Ability to analyse unstructured data, i.e. blogs, reviews, etc

Match customers to offers in real-time

Digital assets with unified experience and ability to take feedback

Crayon designed



to bring traditional enterprises the capability to create
Spotify like experiences at scale and speed

#UnlockWallets

Driven 3-7% increase in spends

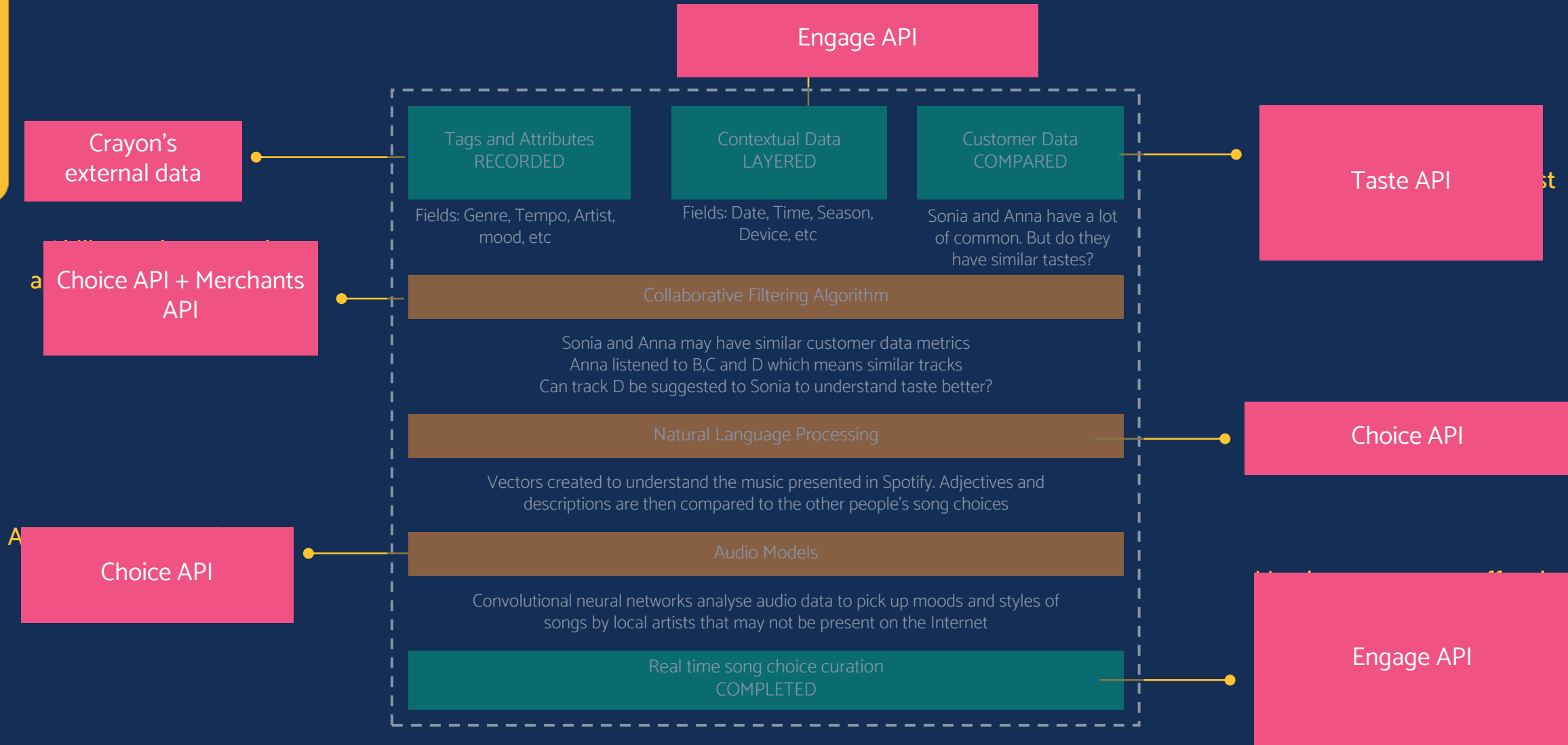
#GetPersonal

Deliver personalised experiences
across touchpoints to millions of
customers

#AccelerateAI

From raw data to Personal
Storefronts in 7 business days

maya.ai does this through one Choice API – delivering customer-merchant pair, rank ordered real-time & on-demand...



Proven: Across verticals, across geographies, at scale

- ✓ Onboarded **100mn+** customers
- ✓ **~130bn USD** portfolio onboarded, analyzed **2bn+** transactions across banks
- ✓ **75mn** customer taste-prints, analysed **135mn** transactions, **~179bn USD** spends
- ✓ Working with **tier 1** global enterprises... **delivering** average **3-7%** increase in spends



Case 1: International Card Issuer in ME

Challenges

- ✓ Inability to deliver personalized campaigns
- ✓ Couldn't activate dormant customers
- ✓ Difficulty in identifying external merchants to add to their portfolio and relevant merchants for offer acquisition
- ✓ High Campaign Execution TAT

maya.ai's Solution

- ✓ Suggested external merchants for acquisition into transaction portfolio
- ✓ Suggested merchants for offer acquisition
- ✓ Personalized campaigns based on objectives: Spends Stimulation & reduce dormancy
- ✓ Reduced campaign execution TAT by execution system (Salesforce) automation

Results

- ✓ Annualized Incremental Spends: **16.4 Mn USD**
- ✓ Actual Incremental Spends : **\$4.1 Mn USD (over 3-month period)**
- ✓ Customer Activation rate: **10% vs 7.5% (test vs. control customers)**
- ✓ Campaign execution time improvement: **Avg. 20 hours to 2 hours per campaign**

Case 2: Tier 1 Bank in Singapore

Challenges

- ✓ Inability to Identify relevant merchants for offer acquisition
- ✓ Couldn't drive incremental value
- ✓ Difficulty in delivering personalized campaigns
- ✓ Challenge in controlling/reducing customer inactivity

maya.ai's Solution

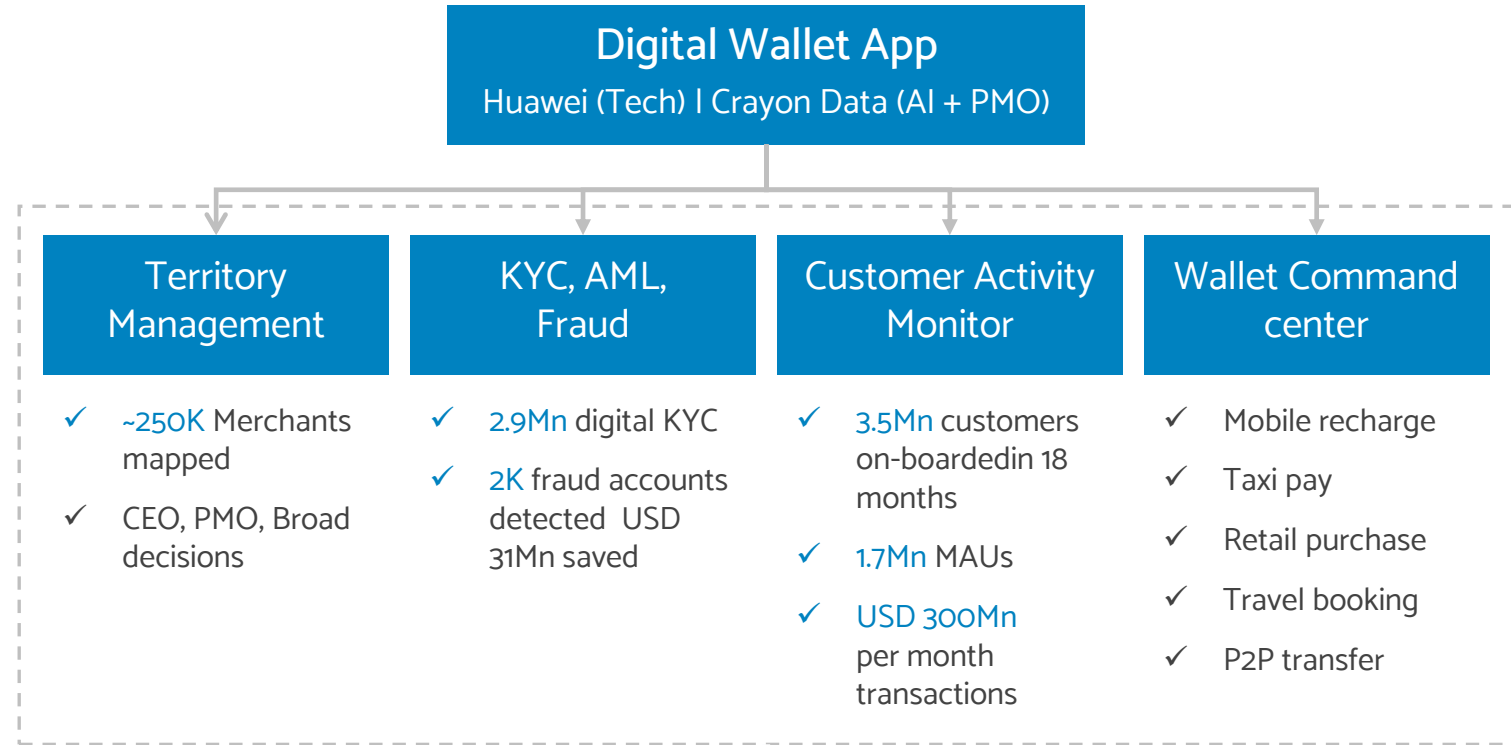
- ✓ Delivered Weekly Email Campaigns
- ✓ Delivered special event-based campaigns
- ✓ Suggested merchants for offer acquisition
- ✓ Performance report measuring campaign performance, widget traffic etc.

Results

- ✓ Annualized Incremental Spends: **17.8 Mn USD**
- ✓ Actual Incremental Spends: **20.8 Mn USD**
- ✓ Campaign Response Rate: **2.2% vs 0.21% (Test vs Control)**
- ✓ Campaigns executed: **76 Impressions Executed: 9.8 Mn**
- ✓ Onboarded **456.5 K customers**

Case 3: Largest private bank in Myanmar

- ✓ 3 years as AI Partner for the Bank
- ✓ 3 Months to go from discovery to release of Data Lake



400+ Active Business users with 8-9.5 NPS

USD 40-60 Mn Inc Income generated	Winner: Best Domestic Bank (Asia Money 2019)	Winner: Best Digital Bank (Asia Money 2019)
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maya.ai

What sets us apart



maya.ai is different.
Not just another analytics tool

Patent driven AI
Privacy sensitive
End to end platform

maya.ai is patented

Integrates external & internal data.

Combines AI, big data and analytics.

Is privacy-sensitive

TasteGraph™: Power of external data

Unique map of global tastes, billions of data points

- 4.5mn restaurants | 1mn hotels | every attractions, merchant, shop...
- Graph methodology to calculate affinities even for sparse datasets

Choice AI: Latest ML algos, mirrors consumer choice

Patented cocktail of review, transaction, location, social and search data

Choice = f (Taste, Influence, Context, Behavior)

TasteMatch: Privacy sensitive

Uncovers tastes, by using entities, not people.

- Personally identifiable information (PII) neither needed nor shared with Crayon



Personal without PII

- ✓ Matching algorithms use data on each customer's behavior to infer their underlying tastes and find other entities for which they may have an affinity
- ✓ Entity based approach to mapping Tastes, uniquely personalize without using PII.
- ✓ Respect data privacy (Adapted to GDPR)



End to end platform with speed and scale

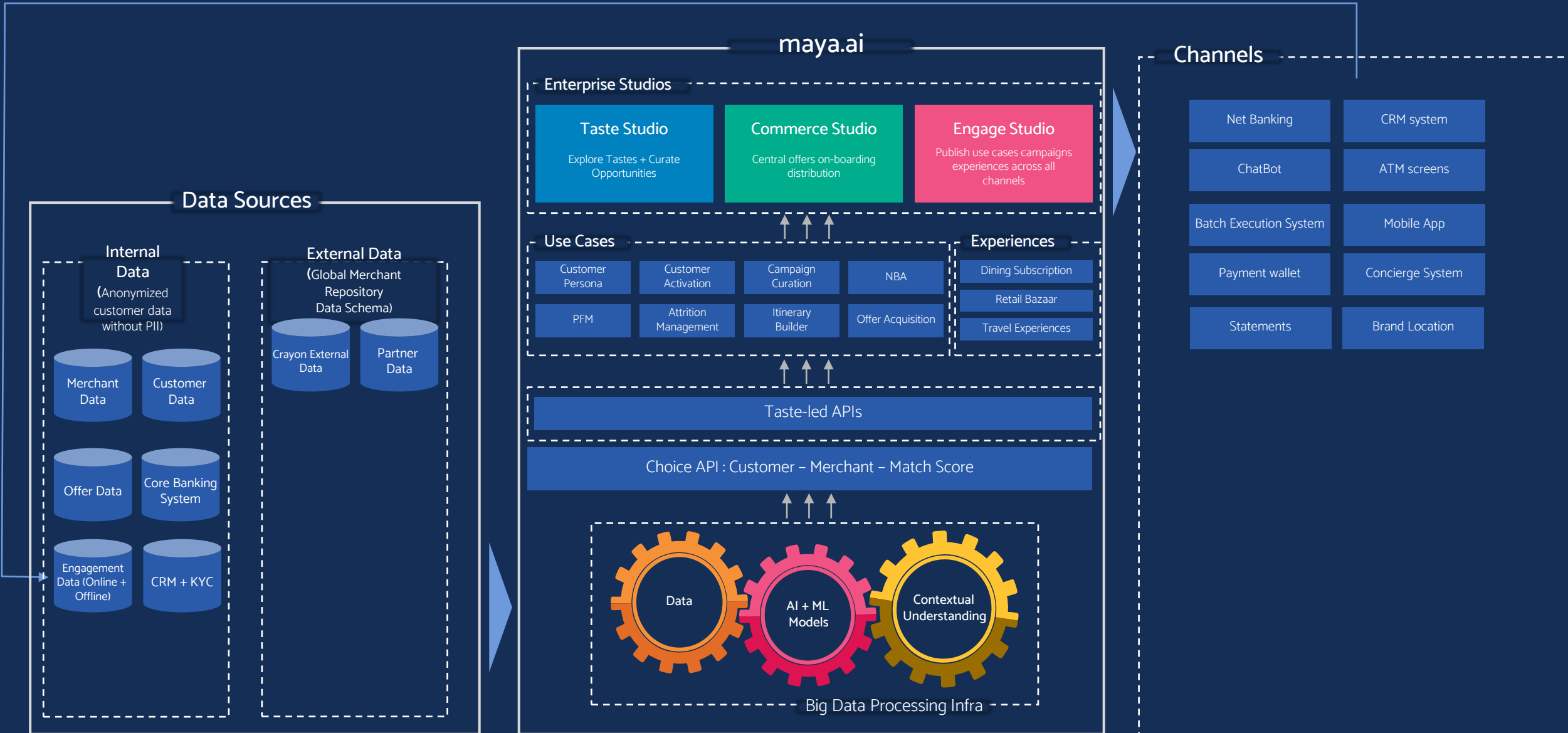
- ✓ From raw data to personal **digital** storefronts in **7 business** days
- ✓ For **millions** of customers
- ✓ APIs that can be integrated to existing CRM systems like SFDC, SAS etc
- ✓ Studios that empower enterprise users across three axes – the enterprise, the consumer and the merchant



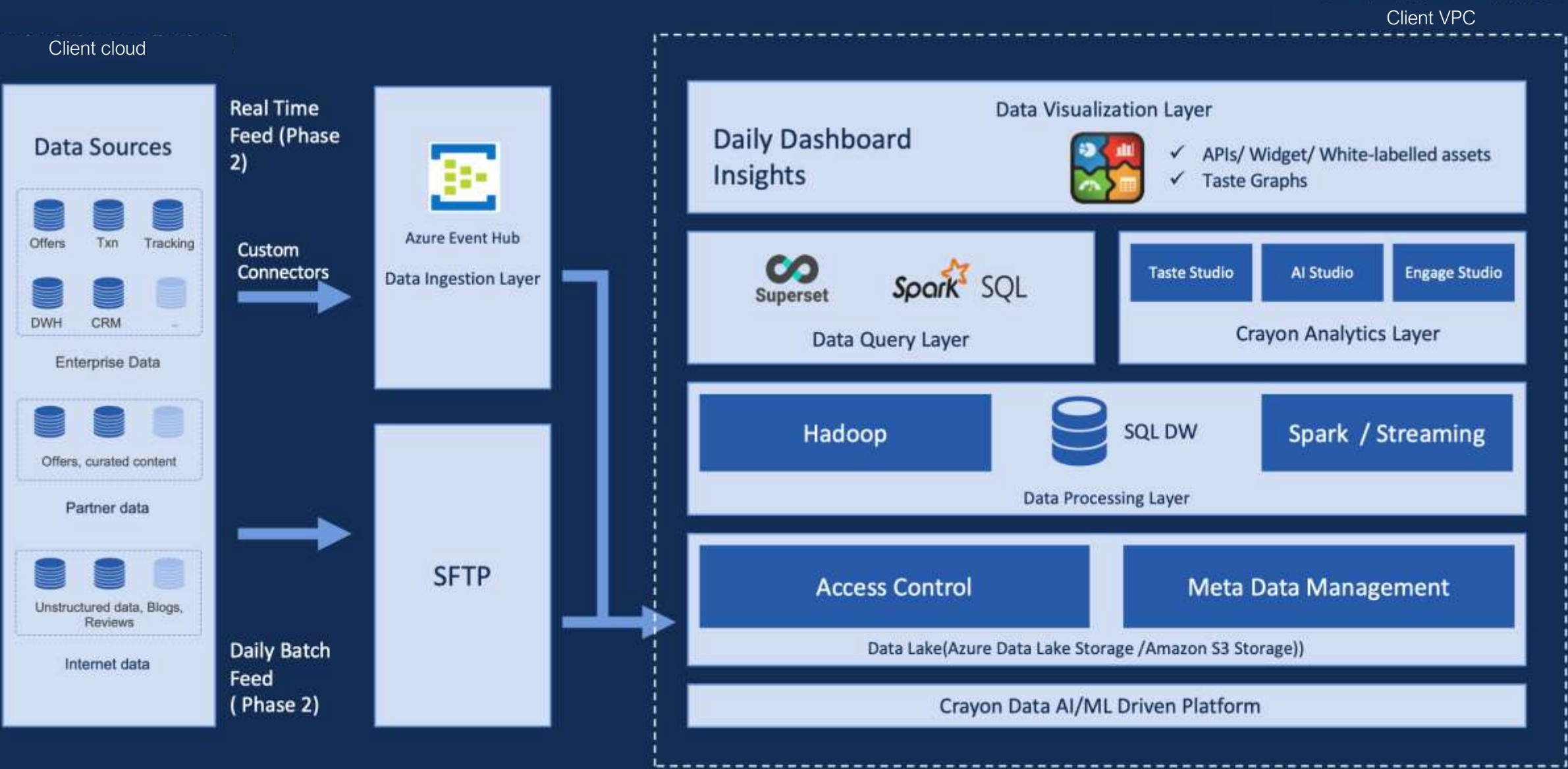
maya.ai

Under the hood

The maya.ai platform embraces complexity under the hood, to provide enterprises with high impact use cases that can drive relevance through all forms of customer engagement



Technology stack that powers maya.ai's capabilities

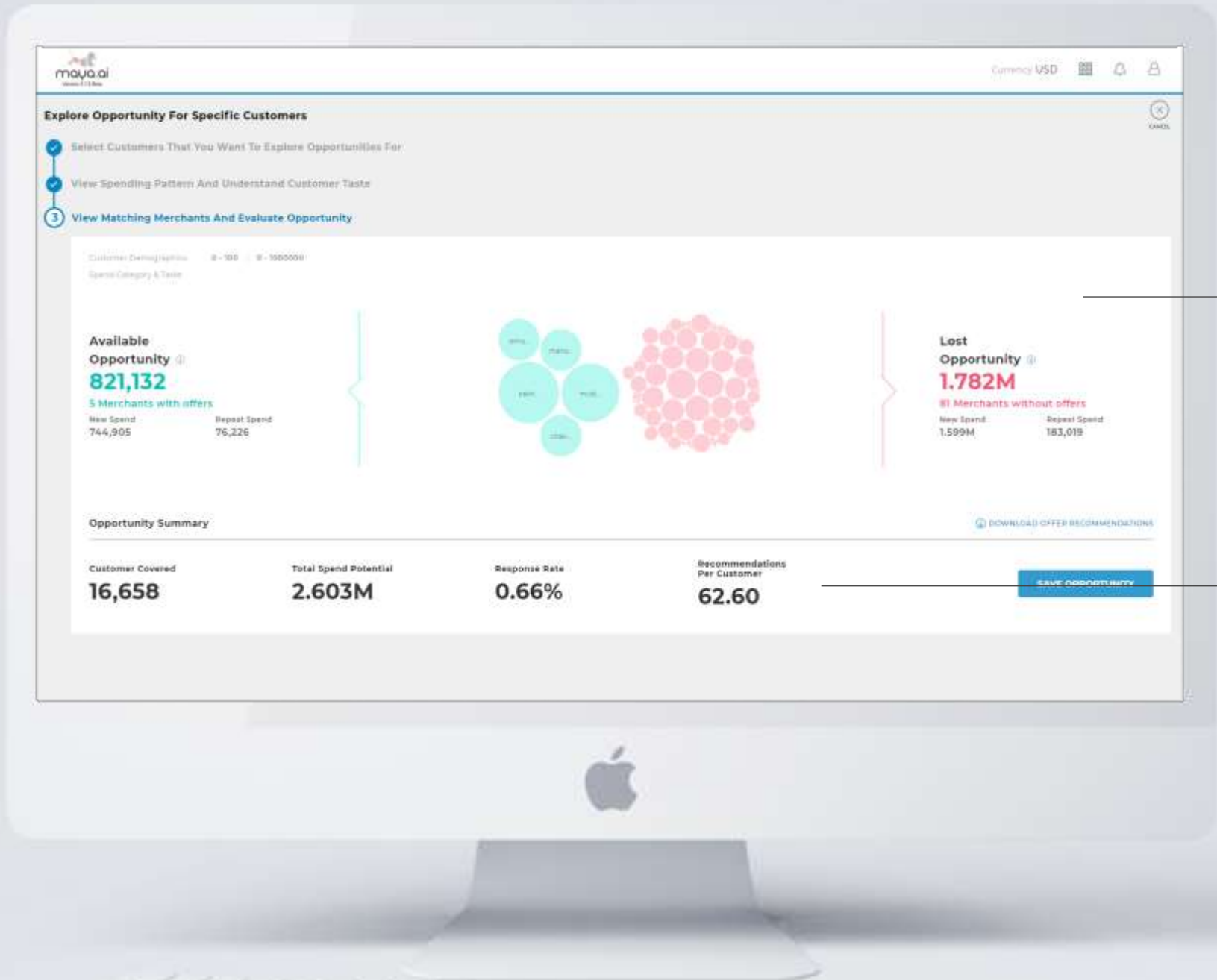




maya.ai
simplifies life for
enterprise users

- ✓ **Taste Studio:** Explore Tastes + Curate Opportunities
- ✓ **Engage Studio:** Publish ultra personal campaigns and experiences across all channels, basis use cases
- ✓ **Commerce Studio:** Central offers on-boarding & distribution

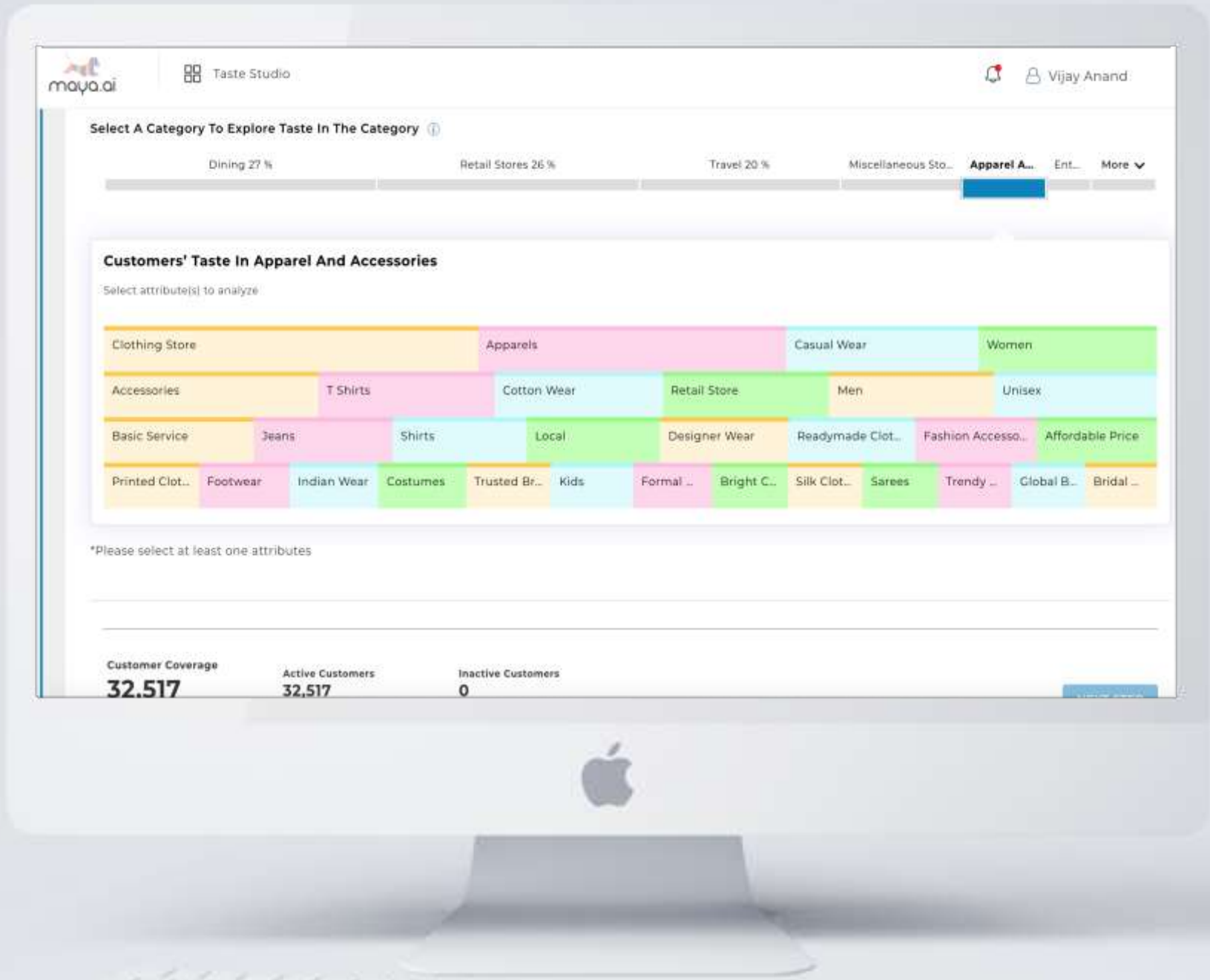
TASTE STUDIO



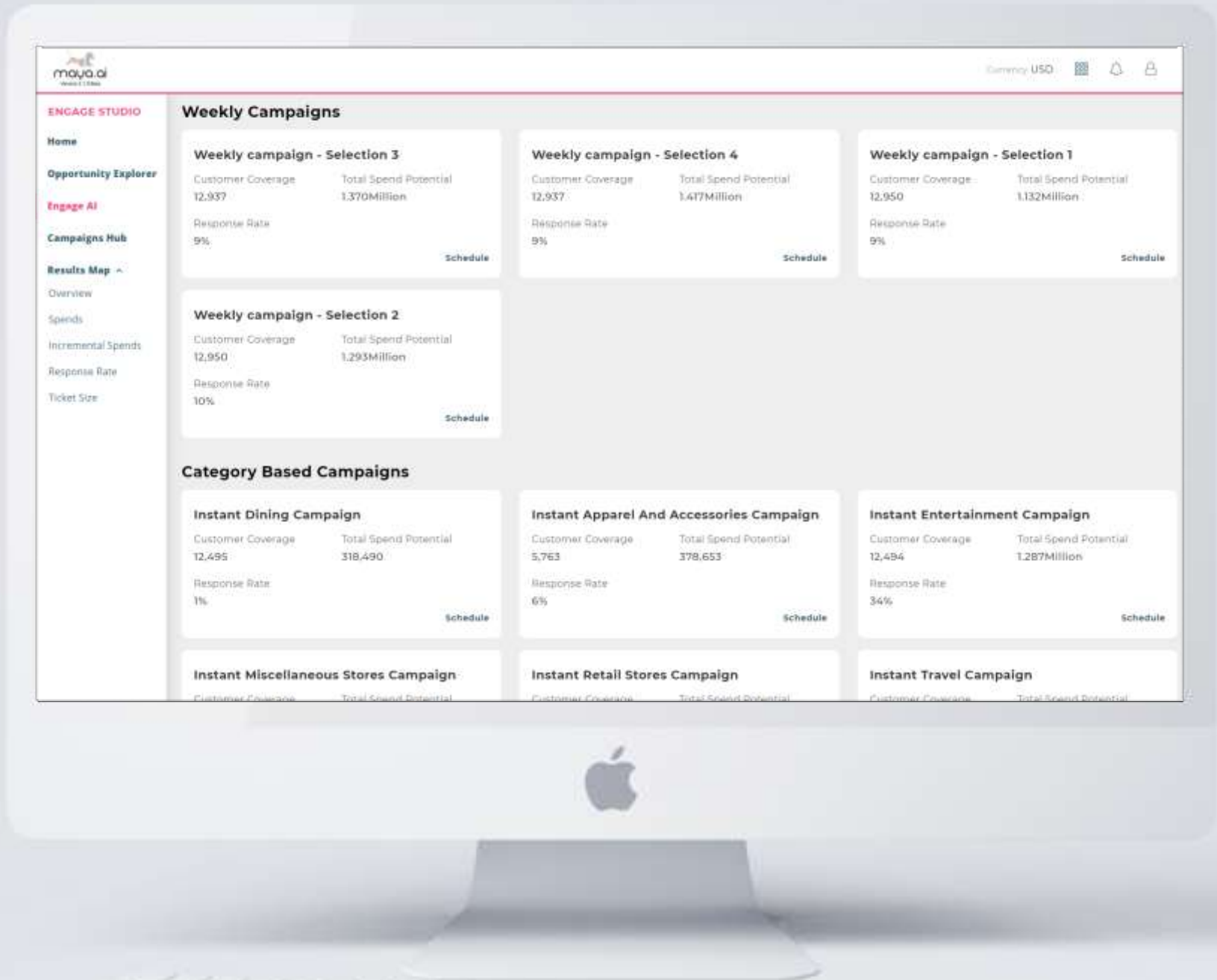
Analyze millions of customers' preferences in seconds

Predict business impact accurately in a few clicks. Not in weeks.

TASTE STUDIO



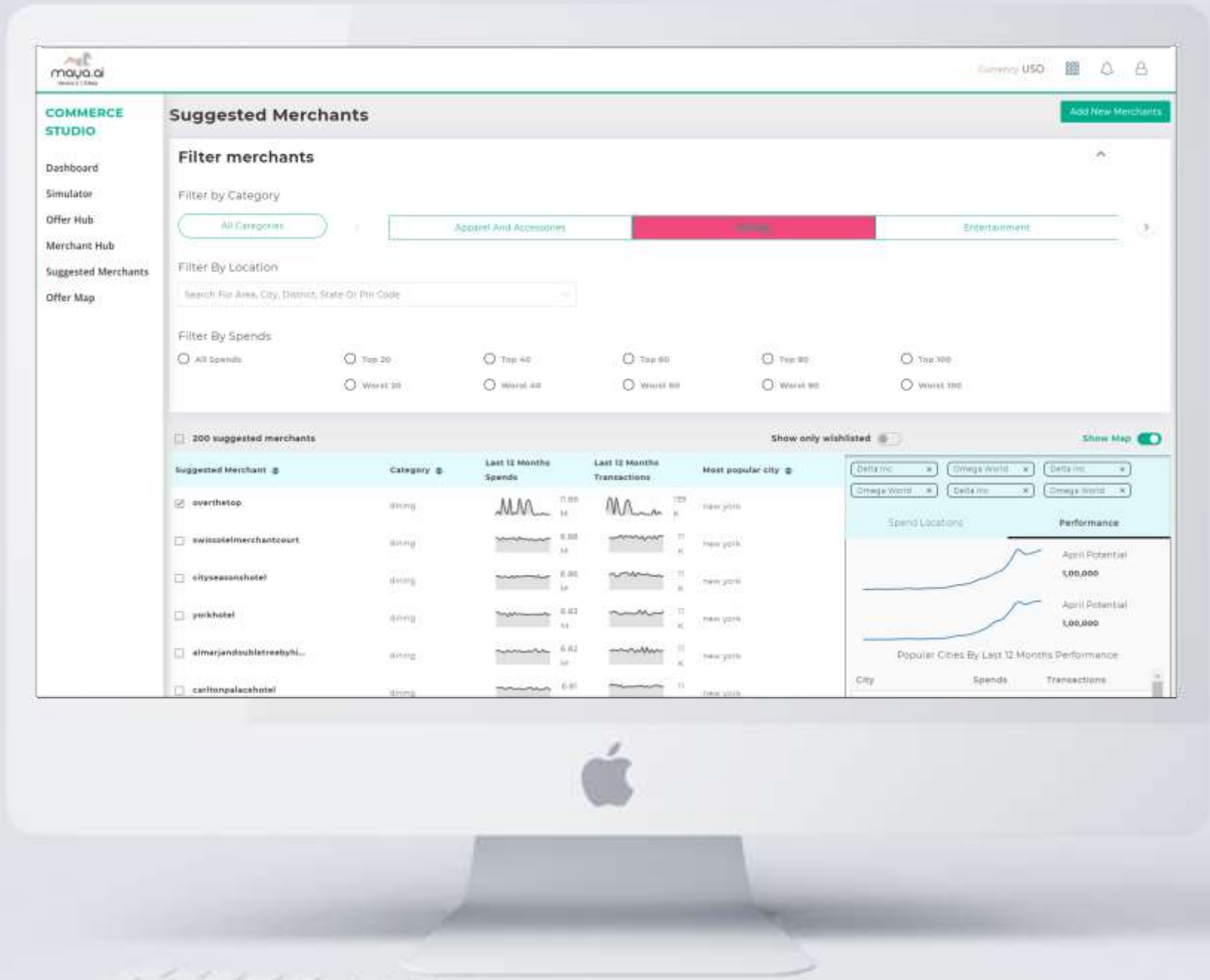
ENGAGE STUDIO



Pre-curated campaigns optimized for various business objectives, ready to execute

Automatic tracking of all your campaigns across all channels.

COMMERCE STUDIO
Offer Management System



Recommends relevant and valuable offer merchants outside existing portfolio

Ability for enterprises to size impact of new merchant offer on bank portfolio

Thank You !

Visit us at: <https://maya.ai/>

