



## Delivering Business Value to

# FINANCIAL SERVICES WITH PRODUCTION-GRADE AI

The BeyondMinds AI platform offers a specialized financial suite to improve operational efficiency, increase customer engagement, and mitigate risk

Artificial intelligence (AI) and digitization is completely transforming the financial services industry and upending the traditional conventions. Financial organizations, including banks, are shifting their physical infrastructure to a digital one, while consumers are moving nearly all of their financial activity online. Providing a competitive advantage, AI is providing new opportunities for the financial industry to streamline and optimize processes, while meeting new customer expectations of a smarter, more convenient, and secure way to access, spend, save, and invest money.

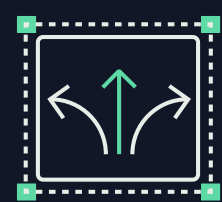
## AI USE CASES FOR FINANCIAL SERVICES

There are a variety of use cases in the financial industry that can be deployed with different AI capabilities, including:



### SERVICING

Enhance customer service and support, while optimizing business processes by tagging, categorizing and prioritizing



### PERSONALIZED INSIGHTS

Leverage data to recommend tailored products, services, and deals to customers



### ANTI MONEY LAUNDERING

Transaction monitoring and alerts on significant behavioral changes



### KNOW YOUR CUSTOMER (KYC)

Validation of ID and documents, including face recognition, as part of onboarding, liveness checks, and verification



### UNDERWRITING

Analyze a huge amount of data to determine application risk level and enable real-time decisioning

While services offered by AI are quickly becoming the new business standard in finance, deploying production-grade AI can be challenging, especially with an industry-wide failure rate of nearly 90%. Dedicated to bringing successful AI to more companies, BeyondMinds developed a robust, end-to-end AI platform that is constructed on a universal, modular technology stack, enabling quick and easy customization of specific AI applications for the financial industry. This approach stabilizes AI solutions in production where the data is dynamic and noisy, and deploys trust, monitoring, and feedback technologies to achieve increasing value over time. This solution is provided as a service (AI-as-a-Service) and supports training and deployment on a public or private cloud (Microsoft Azure, AWS, or Google Cloud) or on premises, either on a CPU or GPU, according to customer constraints and needs.

## THE BEYONDMINDS PLATFORM

- 1 HYPER CUSTOMIZATION:** With tailored solutions needing to be deployed for specific problems, the BeyondMinds platform is customizable to individual data, constraints, and needs.
- 2 PRODUCTION GRADE:** Real-world data is complex, noisy, and typically unstructured. The BeyondMinds platform is meticulously tested and designed with robustness to meet the most extreme scenarios of real-world data and constraints.
- 3 FUTURE PROOF:** With AI problems being dynamic and constantly changing, the BeyondMinds platform is continuously updated, improved, and monitored to keep the models 'on-the-rails', in order to provide maximum value over time.

## AI CAPABILITIES

Included in the BeyondMinds Platform technology stack are the natural language processing (NLP) and speech suites that can be deployed for financial services use cases. BeyondMinds is continually developing and adding new capabilities, including vision and time series.

### NATURAL LANGUAGE PROCESSING (NLP)



#### TEXT CLASSIFICATION:

The process of analyzing and classifying different texts and documents into separate categories or assigning them labels based on the content.



#### TEXT SUMMARIZATION:

The method of shortening and recapping long pieces of text into a condensed and coherent version that focuses on the main and high-level points.



#### NAMED ENTITY RECOGNITION (NER):

The technique of identifying, extracting, and labeling essential elements (people, organization, years, monetary values, locations, etc) in text.



#### QUESTION ANSWERING (QA):

The task of automatically answering questions by procuring appropriate responses for user queries by leveraging relevant resources.



#### CLUSTERING:

Grouping data points by classifying each data point into a specific group.

### SPEECH



#### SPEECH RECOGNITION:

The process of verifying and identifying voices. Voice verification is the acceptance or rejection of a claimed speaker, while voice identification is the association of a voice to a specific speaker.



#### SOUND CLASSIFICATION:

The method of classifying different types of audio and background noises into predetermined segments.



#### SPEAKER DIARIZATION:

The means of identifying speaker voices and dividing speech into time segments.



#### SPEECH CLASSIFICATION:

The technique of identifying topics and sentiment in speech.



#### SPEECH TO TEXT (ASR):

The procedure of listening to and analyzing audio in order to convert it into text.



#### TEXT TO SPEECH:

Converting text into natural-sounding speech, while disguising the voices.

## About BEYONDMINDS

AI offers financial institutions promising new opportunities, but ROI-positive AI is beyond reach for many organizations. At BeyondMinds, we are passionate about making AI faster, simpler, and more scalable so that more companies can benefit from its value, from day one to day forever. This is why we built the first enterprise AI system that is universally applicable and easily adaptable. We did this by identifying the foundational AI elements, the business and human truths, that transcend individual industries, while similarly addressing burning

customization needs. We deliver hyper-customized, production-ready deployments that enable sophisticated companies to overcome the massive 87% failure rate in AI adoption and rapidly implement ROI-positive transformations. For the financial industry, BeyondMinds offers a one-stop-shop approach to AI, with a specialization in NLP, speech, vision, and time series, enabling continuity of deployment throughout the front, middle, and back office.

LEARN MORE ABOUT HOW TO ACCELERATE AI:  
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