



Alpha Analytics

Healthcare Information

Technology Product

Product Catalog



Objective



Problem



Solution



Market Opportunity



Our Team



Business Model



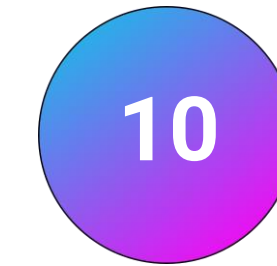
Teams/Products Advantages



Product Structure



Application Scenario



Application Example

1.Objective

- Provide powerful solutions for complex medical tasks such as organizing patient data, analyzing their condition, and predicting treatment plans for healthcare institutions



2. Problem

- Limited application of hospital data
- Inability to adapt to diverse medical scenarios in different enterprises
- Insufficiently detailed resource coordination



3. Solution

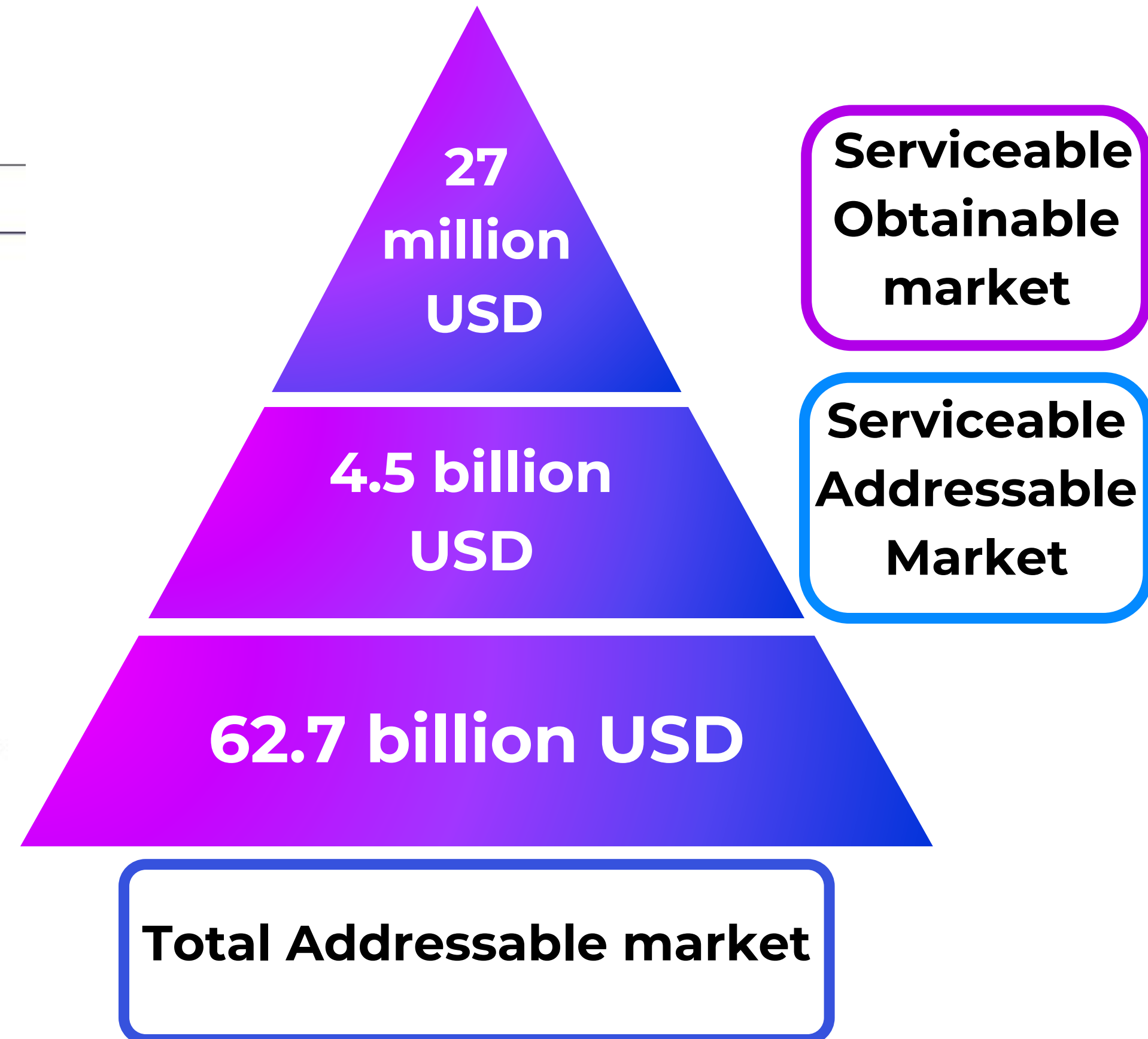
- Achieving medical digitalization through case transcription systems, intelligent inquiry, medical resource management, and healthcare personnel management



4. Market Opportunity

PRECEDENCE
RESEARCH

HEALTHCARE INFORMATION SYSTEMS MARKET SIZE, 2020 TO 2030 (USD BILLION)



5. Our Team



Tiffany Chen

CEO

- previous head of AI department at ping an technology (ranked 16 in Global 500)
- Phd of HKUST
- 3 related patents of lithium battery



Qinghua Liu

Data Scientist

- UQ, B.S. in Electrical Engineering. (Hons.)
- Awardee of Dean's Commendation for Academic Excellence for thesis on predictive modelling
- Global experience in investment & project management with expertise in data analysis and time series forecasting



Henan Pan

Data Scientist

- HKUST, M.S. in Telecommunications
- Experienced in computer vision projects, with proficiency in feature extraction
- Expert in programming & embedded development; enhanced TEDS system of CRH380B EMU



Wei Yi

Data Analyst

- Pursuing a Master's degree in Public Policy at HKUST
- Internship in Tencent, BMW China
- Earned academic scholarship



Wenwei Zhang

Data Analyst

- Pursuing a Master's degree in Public Policy at HKUST
- Focus on the environment and sustainable development
- published 3 papers and hold copyright of computer software



Bixuan Wang

Data Analyst

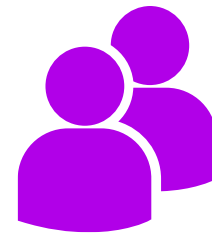
- HKUST, Business Analytics M.S.
- served as the Finance Department Head of the Scholars Association
- Huawei Star Representative at UCLA.
- During academic tenure, has achieved Dean's Honor List recognition multiple times

6. Teams/Products Advantages



Experienced Team

- Experienced in data analysis and prediction across various fields



Microsoft's ISV Partner

- Access Microsoft's technical support and resources, marketing and sales support, and opportunities to collaborate with Microsoft



Personalization

- Using case data and the latest medical research, personalized treatment recommendations can be provided by considering individual differences among patients



Automation

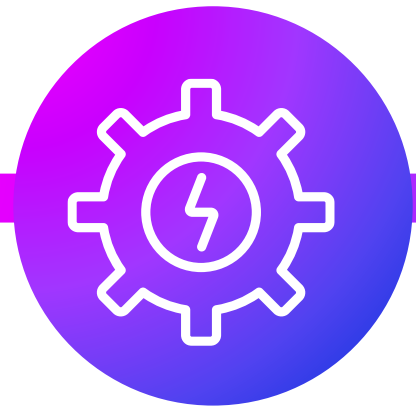
- Automatically generate documents, including medical record summaries, treatment recommendations, and medical reports



Knowledge Renewal and Continuing Education

- Provide the latest medical information and research findings to help doctors stay up-to-date

7. Business Model



Data Analysis

Help doctors better understand medical conditions and develop treatment plans



Subscription

Establishing a medical knowledge base that provides the latest medical information and research findings to help doctors stay up-to-date



Service

It provides automatic document generation services to help doctors quickly create documents such as medical records, medical reports, and treatment plans



Data Use

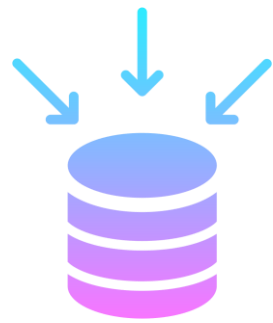
Establishing a medical data platform that integrates medical institutions' case data, medical imaging data, etc.



Value-added Services

Establishing a medical data platform that integrates medical institutions' case data, medical imaging data, etc.

8. Product Structure



OCR recognition + intelligent matching
One-click connection of foreign data

Front-end data input



Structured and encrypted data
NLP mining of synonymous fields
Association analysis

mid-end processing



Integrity
Confidentiality
Timeliness
Readability

back-end monitoring

9. Application Scenario

Customer

Big data accurately identifies customer needs and enables intelligent marketing

Employee

Intelligent iteration optimizes assessment plans and motivates employee efficiency

Medical Resources

Multi-dimensional data is intelligently managed to recommend the best resource scheduling plan

Channel

Achieving intelligent integration of upstream, downstream, and domain information to support channel operations

Partner

Efficiently mining shared information resources between partners to achieve mutually beneficial profits

10. Application Example

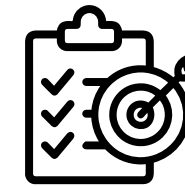


AIGC - Medical Record Analysis (LLM Specialty Domain Model)

- 1) Large amounts of textual data are needed as the basis for fine-tuning medical text
- 2) Based on the input-output specifications of the large model and the previously accumulated clinical information extraction corpus data, a corpus that conforms to the model fine-tuning is constructed
- 3) Based on an open-source Chinese large model, fine-tuning of the large model is carried out by constructing fine-tuning corpus in vertical fields to adapt to special task outputs.
- 4) The model's performance is evaluated on a separate test set.



Solution



Data organization and analysis



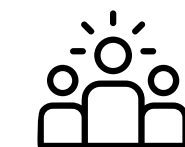
Disease summary and diagnostic assistance



Treatment plan prediction



Document auto-generation



Knowledge update and continuing education



Tiffany
Canada



Scan the QR code to add me as a friend.

Thank you

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