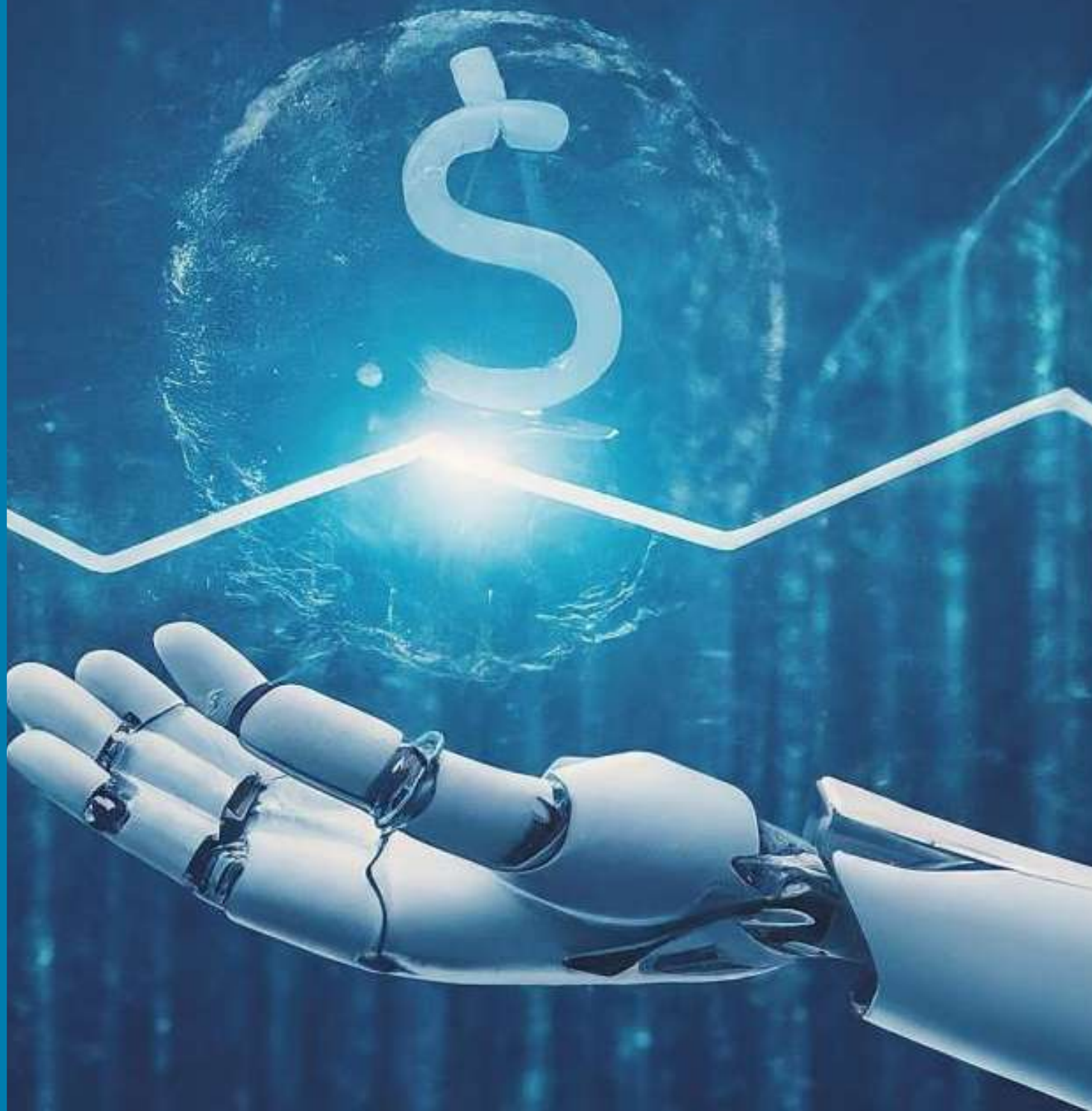


TECH SCAN

ARTIFICIAL INTELLIGENCE IN FINANCE



Artificial Intelligence (AI) is reshaping the landscape of banking and finance, bringing about significant advancements and improvements in various aspects of the industry. Developed by tech-savvy professionals and financial experts, AI applications in banking have become instrumental in streamlining processes, enhancing customer experiences, and mitigating risks.

In recent years, AI has found a crucial role in fraud detection, where intelligent algorithms analyse vast amounts of data to identify unusual patterns and flag potential fraudulent activities. Additionally, AI-powered Chatbots and virtual assistants are transforming customer interactions, providing quick and personalized responses to queries, thereby improving overall customer satisfaction.

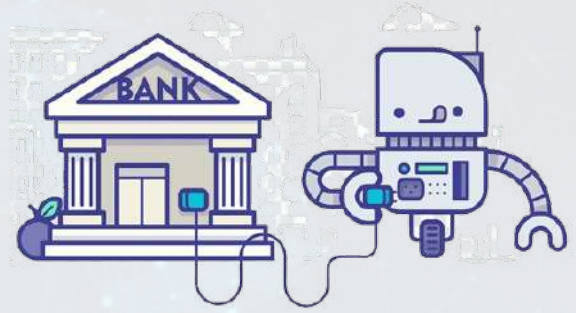
Patents in AI for banking and finance play a pivotal role in protecting innovative solutions, from algorithmic trading strategies to predictive analytics for credit risk assessment. These patents not only foster a culture of innovation but also contribute to the industry's evolution. Understanding the current landscape of AI in banking and finance sheds light on the transformative potential, ensuring a more secure, efficient, and customer-centric financial ecosystem.



INNOVATION TIMELINE

1956

AI Concepts Laid Foundation
for Finance Applications



1983

Expert Systems Used for
Decision-Making in Finance

2010

Machine Learning, Chat Bots
Revolutionized Customer Support in Finance



2015

AI Takes the Lead in
Fraud Detection



2017

Robo-Advisors Transform
Wealth Management Services

2018

Natural Language Processing
Enhances Customer Interaction

2020

Personalized Banking
Experiences Powered by AI

2022

Block Chain Integrates
with AI in Finance



PATENTABLE ASPECTS OF THE TECHNOLOGY

High-Frequency
Trading Models

Fraud Anomaly
Detection

Market
Forecasting

NLP for
Financial Analysis

Robo-Advisors
for
Personal Finance



Block Chain
Integration

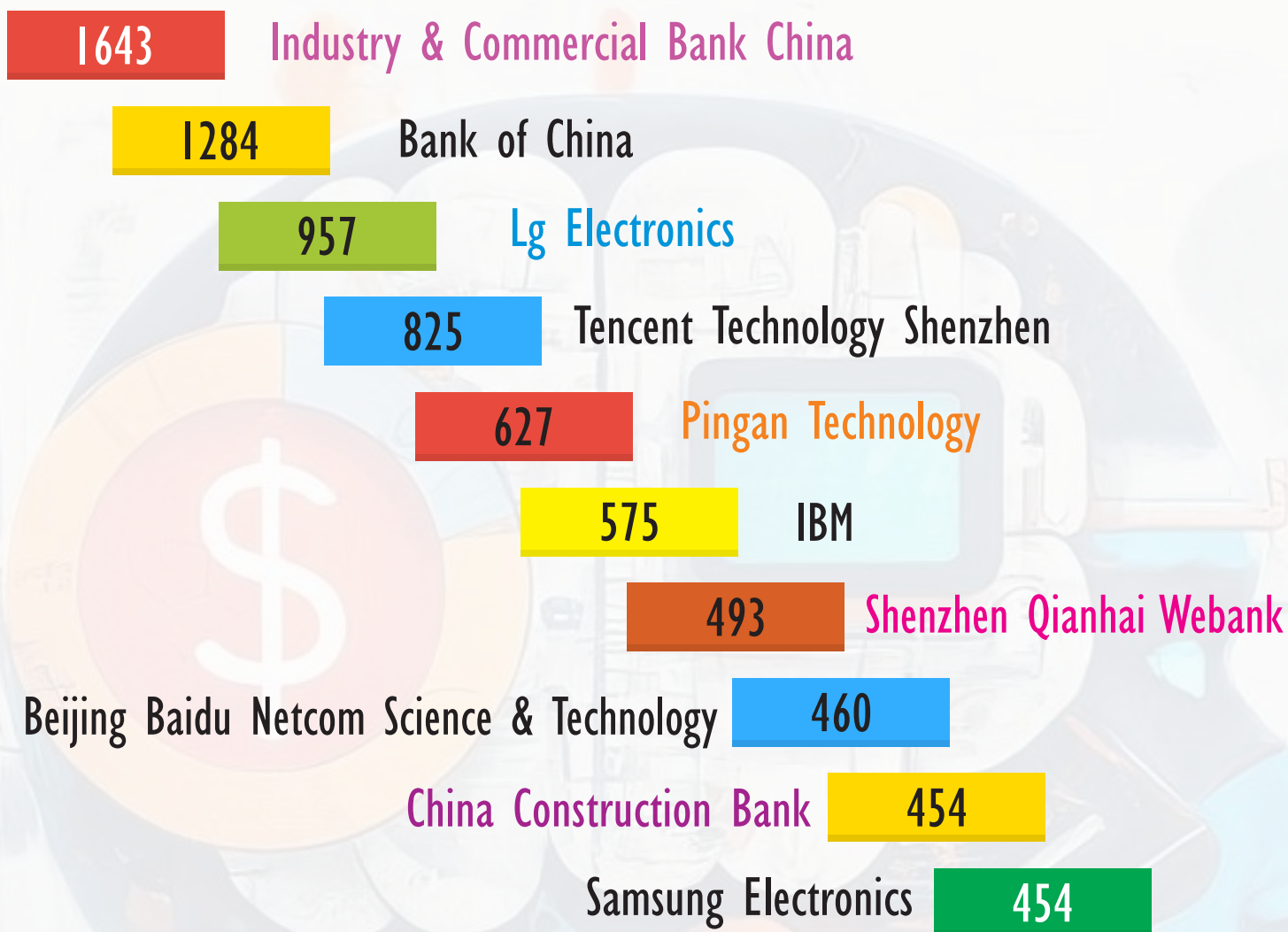
Cryptocurrency
Analytics

Text Mining
for Finance

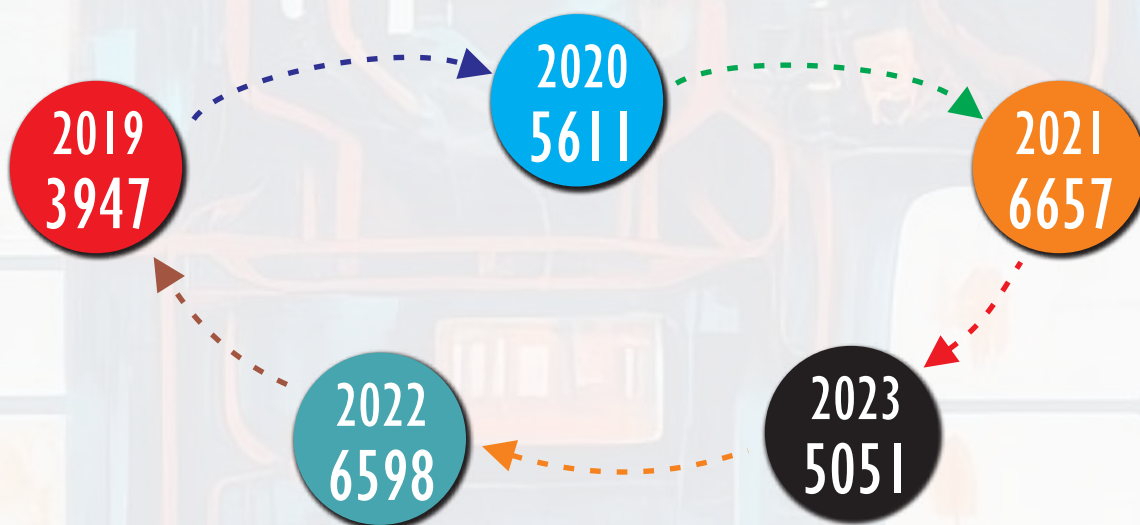
Quantum
Investment
Tools

Personal
Finance AI

TOP APPLICANTS



PATENT STATISTICS



Date Range: 01/01/2019 to 31/21/2023

Database: Questel Orbit

PATENT LANDSCAPE



Database: Questel Orbit

NOTABLE INNOVATIONS

Patent Application	Priority Date	Title	Assignee
Us20210303973	Mar 26, 2020	Artificial Intelligence-Based Personalized Financial Recommendation Assistant System and Method	10353744 Canada Ltd.
US20210125290	Oct 29, 2019	Artificial Intelligence Logistics Support for Agribusiness Production	International Business Machines Corporation
WO2023084287	Nov 12, 2021	AI-Based Marketing Management System	Bagheri, Hamed
IN202311028127	Apr 18, 2023	An Artificial Intelligence System in Finance and Financial Markets	Himanshu Kumar Hi-Tech Institute of Engineering and Technology, Ghaziabad
IN202341055583	AUG 18, 2023	AI Driven Machine Learning Intelligence System With Strong Network Security for Financial Tracking and Analysis in The Corporate or Banking Sector	Ms. Sunkara Santhi Priya
IN202231060096	Oct 20, 2022	Artificial Intelligence Techniques and Big Data Analytics Based Digital Document Fraud Detection System Using Internet of Things (IoT) Enabled Machine Learning Things in Finance and Economic Industry	Dr. Rashel Sarkar
CN112052385	Aug 6, 2020	Investment and Financing Project Recommendation Method and Device, Electronic Equipment and Readable Storage Medium	China Citic Bank Co Ltd
US11544598	Jun 19, 2019	Systems and Methods for Dynamic Adjustment of Computer Models	Massachusetts Mutual Life Insurance Co
SG10202007360S	Nov 6, 2019	Loan Expansion Hypothesis Testing System Using Artificial Intelligence and Method Using The Same	Aizen Global Co. Inc.
IN202311054844	Aug 16, 2023	A Smart System Using Robotic Process Automation in Business	Manipal University Jaipur

WHITE SPACE

AI for
Financial Inclusion

Climate-Resilient
Financial Models

AI for
Regulatory Compliance

Credit
Scoring AI Overview

Personal Finance
AI Tools

Enhancing Fintech
Cybersecurity with AI.

Cryptocurrency
AI Innovations

Financial
Forecasting AI Assessment

Fraud
Detection AI Insights

Automated
Investment Technologies



If you would like to learn more about any of these areas or have specific questions, we're here to provide further information and insights. Our team is dedicated to driving progress and staying at the forefront of Artificial Intelligence in Finance.

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