

TECH SCAN

ARTIFICIAL INTELLIGENCE IN HEALTHCARE

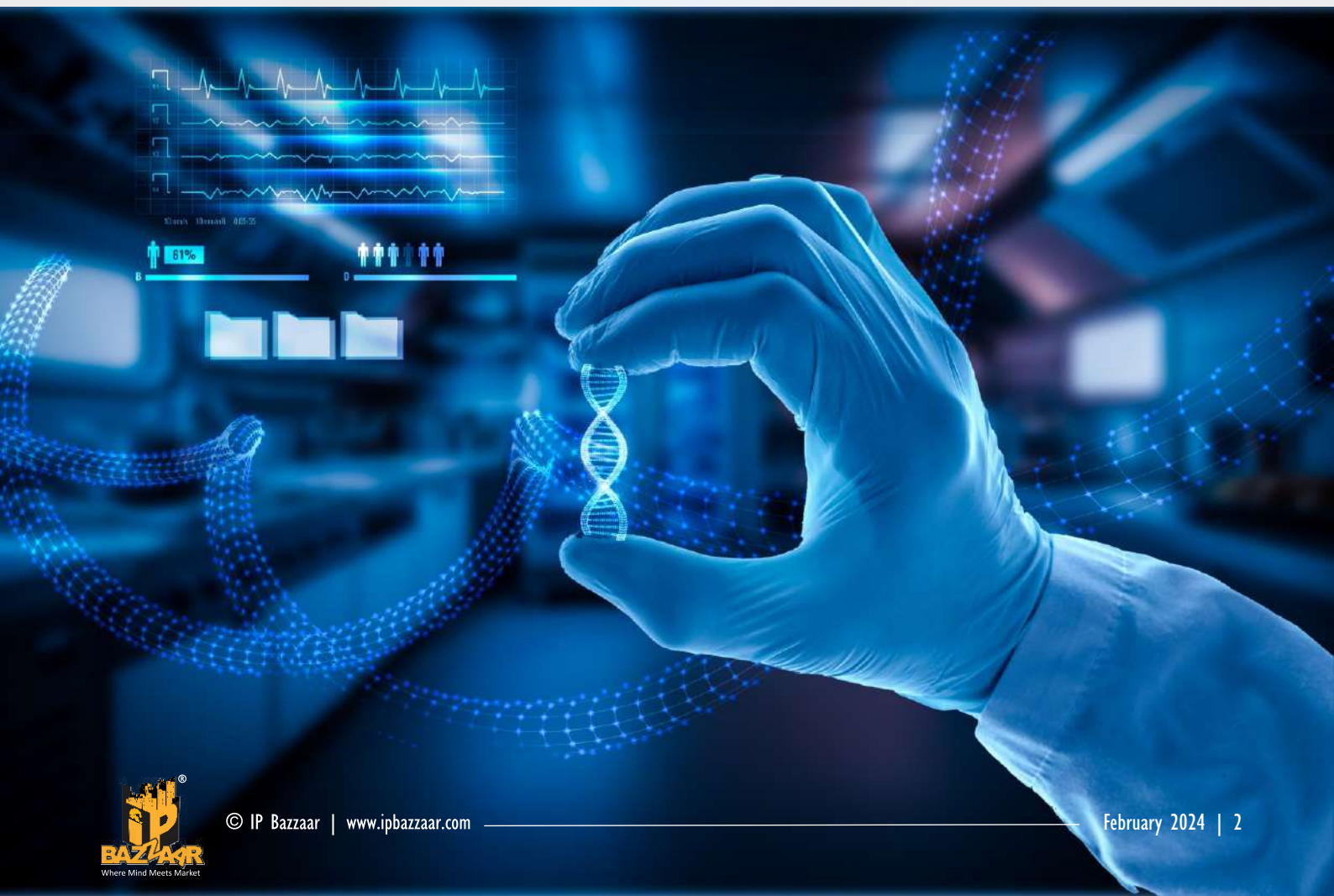


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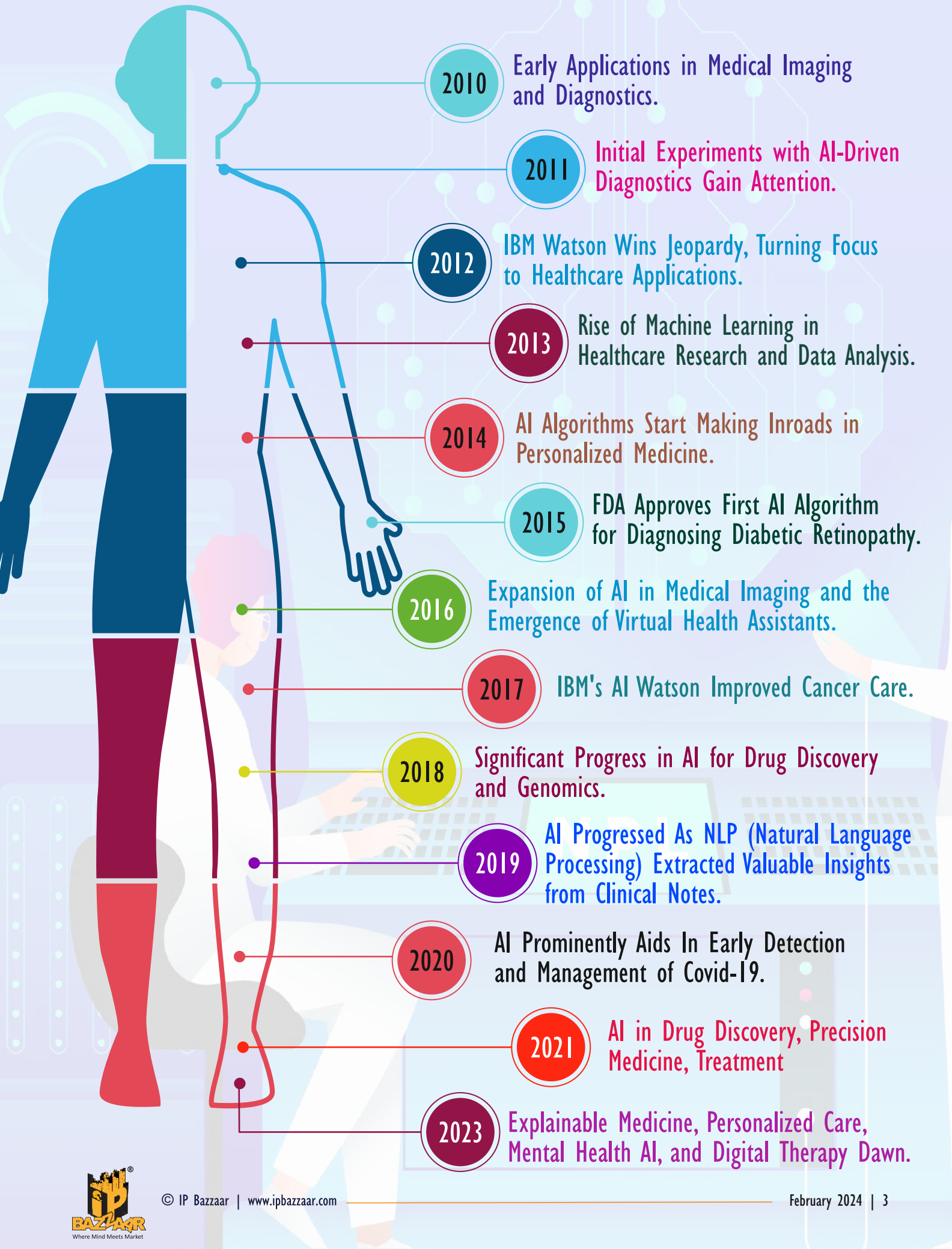


Artificial Intelligence (AI) in healthcare is like a smart assistant for doctors and nurses. It uses advanced computer programs to analyse data and make predictions, helping healthcare professionals provide better and faster care. From diagnosing diseases to personalizing treatment plans, AI is revolutionizing the way we approach healthcare, making it more efficient and precise. It includes the integration of advanced technology to enhance the delivery of medical services and improve patient outcomes.

The purpose of AI in healthcare is to make medical processes smarter, faster, and more accurate. AI technologies, like machine learning and data analysis, help doctors diagnose diseases earlier, personalize treatment plans, and predict patient outcomes. They can also assist in drug discovery and improve overall healthcare efficiency. Patenting AI in healthcare innovations is essential to protect the hard work and investments made by researchers and companies. Patents provide legal rights, encouraging innovation by ensuring that those who create new and valuable technologies can benefit from their inventions. This protection encourages companies to invest in developing AI solutions for healthcare, ultimately leading to more advanced and accessible medical technologies for everyone.



INNOVATION TIMELINE



PATENTABLE ASPECTS OF THE TECHNOLOGY



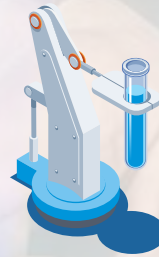
**Disease-Specific Early
Detection Models**



**Real-Time Health
Monitoring with Wearables**



**AI-Enhanced
Virtual Consultations**



**Personalized Disease
Susceptibility Models**



**Innovative Radiology Image
Interpretation Algorithms**



**Chatbots-Integrated
Virtual Health Assistants**

PATENT STATISTICS

The table below represents top applicants and the patents filed by them:



1,120
Tencent Technology
Shenzhen



529
Pingan Technology



513
Huawei



164
Ping An Technology
Shenzhen



144
Beijing Baidu Netcom
Science & Technology



130
Kang Jian Information
Technology



83
Shenzhen Ping an
Smart Healthcare Technology



72
Beijing Kuangshi
Technology



56
Shenzhen Ping An Medical
& Health Technology Service



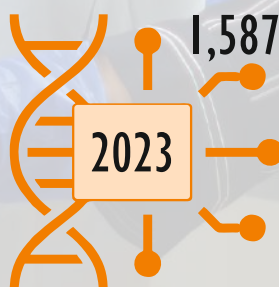
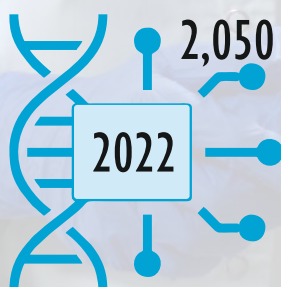
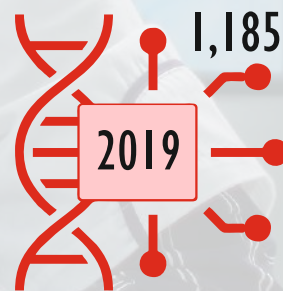
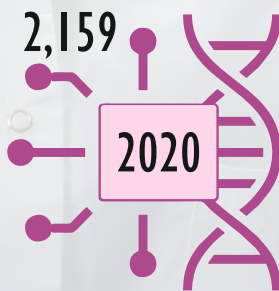
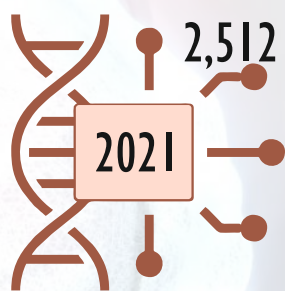
52
IBM

Database: Questel Orbit

PATENT LANDSCAPE



PATENT STATISTICS



Database: Questel Orbit

Date Range: 01/01/2019 to 31/12/2023

NOTABLE INNOVATIONS

Patent Application	Priority Date	Title	Assignee
US20230042272	Aug 6, 2021	Artificial Intelligence Healthcare Assistant Device, System and Method	Katharina Mahadeva Cadwell
US20220047160	May 8, 2020	Ceiling AI Health Monitoring Apparatus And Remote Medical-Diagnosis Method using the same	Research & Business Foundation Sungkyunkwan University
US20230360798	Apr 27, 2022	Artificial Intelligence (AI) Based Decision-Support Digital Ecosystem to Provide Personalized Smart Integrated Cardio-Oncology Care	Connecticut Children's Medical Center
WO2022219627	Apr 12, 2021	System, Method, Software and Device of Artificial Intelligence for Healthcare Providers, Patients, Pharmacies and Medical Test Vendors	Gal Shirley, Benzaquen Ella Eliane
US20210065913	Sep 4, 2019	Artificial Intelligence-Based Methods for Early Drug Discovery and Related Training Methods	Univ Central Florida Res Found Inc
US20230069370	Aug 31, 2021	Ai-Enabled Access to Healthcare Services	Sony Group Corporation
US20230042272	Aug 6, 2021	Artificial Intelligence Healthcare Assistant Device, System and Method	Mahadeva Cadwell Katharina
IN202121030815	July 9, 2021	A System and Method for Providing Healthcare Services using Artificial Intelligence Analytics and Interfaces	Jk Singha & Hwell24 Plus Healthcare Private Limited
US20220022790	Jul 22, 2020	AI (Artificial Intelligence) Based Device for Providing Brain Information	Actibrain Bio Inc
In202341072169	Oct 22, 2023	System And Method for Early Diagnosis of Breast Cancer Using Artificial Intelligence	Saveetha Engineering College

WHITE SPACE

AI-Powered
Personalized Care



AI Safeguards
Patient Privacy

AI Solutions
for Seamless
Healthcare Data
Exchange

AI-Driven Mental
Health Support

Remote Patient
Monitoring AI



Apps Empower with
Personalized Health.

IoT-Based Wearable
for Healthcare

Database: Questel Orbit

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 Healthcare Technology.

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Contact



Lalit Ambastha

Co-Founder, IP Bazaar

Mob: +91-9811367838

Email : tech@ipbazaar.com



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IP BAZZAAR TECHNOLOGY CONSULTANTS PVT. LTD.

12, First Floor, National Park
Lajpat Nagar-4, New Delhi-110024, India
www.ipbazaar.com