



**PRR AI LLC**

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# PRR.AI

Medical AI Platform  
For images and text analysis

A Unit of  **Softsensor.ai**  
Intelligence Implemented

Data & AI Solutions Experts

**PRR AI (Medical AI focused Division of Softsensor AI) is implementing advances in multi-modal artificial intelligence in solving cutting edge medical problems and distributing it to end customers via its platform:**

Our current suite includes **technologies for improving diagnosis and Prognosis & predictive treatments** for different organ systems use cases like Prostate, Breast, CVS, Skin, IVF etc.

We also build and deploy custom algorithms and deploy them via our platforms or give directly to end customers

We are a computational image + text platform with **privacy, security and complete pipeline for building research and diagnostic workflows**

## Our Mission



**To solve the most complex problems** through advanced machine learning solutions



**Make machines' output usable** – by clinicians and researchers to drive health outcomes, productivity and research gains

# Industry Recognition

We're a **globally recognized** technology company specializing in the development and application of cutting-edge artificial intelligence (AI) and machine learning (ML) and advanced data analytics solutions.

Our mission is to empower businesses to unlock new insights and drive growth through the power of data.

## Solution & Technology Partnerships



Data & AI  
Azure



*Top Influential People in the  
DataIQ 100*



*Most Influential AI & Analytics  
Leaders in AI Makers 100*



*Ranked 5th in the Leadership  
Board in Conic Challenge 2022*

# Our Medical AI Platform and Industry use cases

## Integrated Medical Gen AI Platform



Multimodal Platform with Human-in-the-loop capabilities for faster validation



Collaboration and partnerships with leading medical Institutes for training of tissue studies



Multiyear Experience in Data & AI leadership with global clients, Deep Medical Domain Expertise



Integrated approach for co-developing and commercializing medical AI IP



Ready- to- use Models across Use Cases towards better clinical outcomes

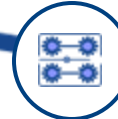
### Document Intelligence Workflow platform

- Extract from Structured and unstructured data, Generate insights
- Discharge Summary and CDSS
- Research protocol Support, Trial Data Management
- Public Systems data integration & Insights
- Provider & clinic Operational/Financial Management Insights



### Image Analysis Solutions

- Bio markers\*, Precision Medicine Studies, Ready to use Prostate and Breast Cancer analysis
- Trial Management, Patient Recruitment Matching, Novel Molecule studies
- Fraud detection, Predictive Analytics, Claim Management



Insurance- Fraud Detection/ Optimize claim Process/ New member Underwriting insights



Provider Discharge Summary & CDSS



Clinical trial Management



Hospitals Financial/ Operational view



Image Analysis & Oncology Studies



Public Systems – Data Integration , Predictive analysis

# Advanced Medical AI using LLMs and Specific Image AI models

The screenshot displays a software interface for processing pathology reports. The top section shows a single report for a patient named 'Dr. VINDORA KUMAR (M YR, M)'. The report includes a table of liver function test results:

Heading	Value	Range	Unit
Direct Bilirubin	0.17	0.0-0.20	mg/dl
Total Bilirubin	0.40	0.1-1.20	mg/dl
Indirect Bilirubin	0.23	0.00-1.00	mg/dl
Albumin	3.80	3.5-5.2	g/dl
Globulin	3.18	2.0-3.5	mg/dl
Albumin/Globulin Ratio	1.19	1.2-2.5	Ratio
SGOT/AST	33.0	0-35	U/L
SGPT/ALT	472	0-45	U/L
Alkaline Phosphatase (ALP)	79	53-128	U/L

The bottom section, titled 'Comparing Reports', shows a side-by-side comparison of two reports for the same patient. It includes a table with columns for 'Report 1', 'Report 2', 'Range', and 'Unit'.

Heading	Report 1	Report 2	Range	Unit
Direct Bilirubin	0.17	0.09	0.0-0.20	mg/dl
Total Bilirubin	0.40	0.45	0.1-1.20	mg/dl
Indirect Bilirubin	0.23	0.36	0.00-1.00	mg/dl
Albumin	3.80	4.08	3.5-5.2	g/dl
Globulin	3.18	2.24	2.0-3.5	mg/dl
Albumin/Globulin Ratio	1.19	1.82	1.2-2.5	Ratio
SGOT/AST	33.0	26.86	0-35	U/L
SGPT/ALT	472	45.20	0-45	U/L
Alkaline Phosphatase (ALP)	79	98.73	53-128	U/L
Total Serum Protein	7	6.32	6.4-8.3	gm/dl

## Pathology Report Gen AI

Data extraction, Document intelligence, Summarization and Time series analysis

The screenshot shows a software interface for prostate Gleason scoring. It features a large histology image of a prostate section with different regions highlighted in various colors (yellow, orange, red, purple). To the right of the image is an 'Annotation List' panel with the following data:

- Pattern 2: 18.85%
- Pattern 4: 80.99%
- Pattern 5: 0.04%
- Benign Glands: 0.02%

Additional information in the panel includes: Specimen Type: Needle Biopsy, Core Length: 5.8755mm, Prostate Tissue Involved by Tumor: 83.84%, Primary Pattern: 4, Worst remaining Pattern: (blank), and Gleason Score: 7+4=11.

## Prostate Gleason Scoring

Tumour segmentation and classification  
Gleason grading and scoring, Also TIL scores in Breast Cancer

**Access to ready AI deployment** platform with Biomarkers / Precision Medicine and Diagnostic workflows

**Access to regulatory compliant computational pathology** platform with established team of medical experts and data scientists

Human in the loop platform for **faster validation protocols**

A way to **ensure business user can leverage technology** without significant IT resources & minimal capital investment or infrastructure changes



**Data Partnerships** with leading medical Institutes for training of models for tissue studies



# Our Clients & Partner Institutes



NATIONAL INSTITUTE OF PATHOLOGY  
(Indian Council of Medical Research)  
Department of Health Research



# Get in touch



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