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proRITHM: Making Continuous Health Monitoring Smarter Through AI and Wearable Technology

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Bringing hospital-grade monitoring closer to patients, proRITHM is developing an AI- and IoT-enabled remote patient monitoring ecosystem that combines wearable medical devices with real-time health analytics. Developed by Hyderabad-based DeepFacts Private Limited, the platform aims to help healthcare professionals identify changes in patients' health earlier and support proactive clinical interventions.



Problem

Traditional health monitoring often relies on periodic measurements, leaving gaps between clinical assessments. Patients with chronic conditions or those recovering after surgery may require continuous observation, particularly when they are outside hospitals. proRITHM aims to address this gap through connected, real-time monitoring.

Product

Its flagship solution combines the proRITHM wearable device with the proRITHM IR remote patient monitoring platform. The system tracks parameters including heart rate, blood pressure, respiratory rate, oxygen saturation, skin temperature and heart rate variability, transmitting data wirelessly for analysis and alerts.

Proof

The company states that its medical device is CDSCO-approved and that its technology has been developed in line with medical-device quality and data-security standards. Its website also identifies hospital collaborations and showcases applications across hospital, ambulatory, home and post-acute care settings.

People

Vamsi Karatam, Founder and CEO of DeepFacts Private Limited, leads the development of proRITHM. The company's management and advisory team includes Sesha M. Rao, Dr. AVS Suresh and specialists across embedded technology, software development, AI/ML and digital health.

Purse

The company has received grant and programme support through initiatives including ATMAN 3.0 at IIT Bombay, DISHA 2.0 at IIT Indore and DST-supported funding through GRTBIF. The total funding amount and details of any institutional equity investment have not been publicly disclosed.

Plan

DeepFacts plans to expand proRITHM's presence across Southern India before building a nationwide market by early 2027. It is also preparing for potential US market entry in late 2027 or early 2028, while strengthening its technology portfolio and healthcare partnerships.

Why it matters

Continuous monitoring can help healthcare professionals gain better visibility into patient health between consultations and hospital visits. By combining wearable sensors, connected health data and AI-driven analysis, proRITHM is contributing to the development of more proactive and accessible remote healthcare solutions.

FAST FACTS

Particulars	Details
Company	DeepFacts Private Limited
Brand	proRITHM
Inception	2020
Headquarters	Hyderabad, Telangana, India
Industry	HealthTech, MedTech, Remote Patient Monitoring

Founder & CEO	Vamsi Karatam
Core Products	proRITHM Wearable Device, proRITHM IR Platform
Technology	AI, IoT and Remote Patient Monitoring
Funding Support	ATMAN 3.0, DISHA 2.0, GRTBIF
Total Funding	Not publicly disclosed
Website	prorithm.com

Disclaimer: This profile is based on publicly available company information, official website disclosures and funding announcements reviewed as of 12th November 2026.