

# PAVAN

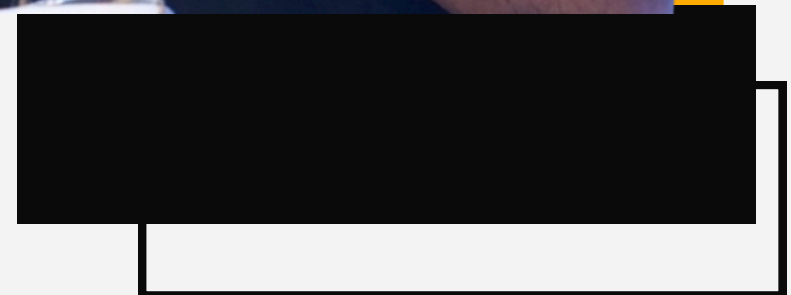
# KOSARAJU

CEO & Founder

Aqua Exchange Agritech Pvt Ltd



Visionary entrepreneur leveraging IoT, AI, and data-driven automation to empower shrimp and fish farmers and transform aquaculture into a resilient, sustainable and highly profitable blue economy.



# AQUA EXCHANGE



## INTELLIGENCE FOR EVERY POND

A full-stack IoT + AI platform that connects farms, automates operations and builds a transparent, sustainable aquaculture ecosystem empowering farmers with real-time insights, finance, insurance and direct market access.

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Swipe to see their impact!

# THE CHALLENGE

## BUILDING A RESILIENT AQUACULTURE ECOSYSTEM

### 01 Power & Aeration Failures

Frequent power outages stop aerators, crash dissolved oxygen levels and wipe out entire crops overnight.

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### 02 Inefficient Feeding & High Input Costs

Manual feeding leads to waste, uneven growth, and rising feed costs the biggest expense in shrimp farming.

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### 03 Disease Risk, Market Opacity & Limited Access

Lack of real-time data, no insurance, dependence on middlemen and poor market linkages keep farmers vulnerable and underpaid.

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# THE SOLUTIONS: AQUA EXCHANGE'S INNOVATIONS

## **01** Deploying Affordable, Integrated IoT Technology

Smart devices like PowerMon (real-time power & aeration monitoring with instant alerts), AquaBot automatic feeders (precise, app-controlled dosing) and AI-driven analytics deliver location-specific, predictive insights that prevent losses and optimise every drop and pellet.

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## **02** Building a Full-Stack Ecosystem & Collaborative Platform

A producer-to-market centric digital platform that combines farm automation, embedded financing, holistic disease insurance and direct market linkages enabling self-sustained, profitable aquaculture across the entire value chain.

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# IMPACT & SCALE

## DRIVING GROWTH IN THE BLUE ECONOMY

- 1 20,000+ IoT devices deployed
- 2 80,000+ acres of shrimp & fish farms monitored
- 3 Operations across 4 countries
- 4 Serving the shrimp industry for 5+ years
- 5 Holistic Disease Insurance
- 6 Farm Automation for increased efficiency

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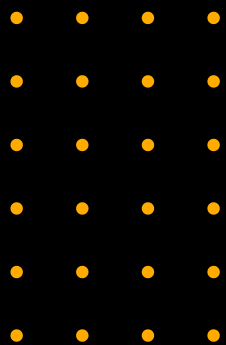
The future of aquaculture lies  
in turning complexity into  
clarity intelligence for every  
drop, every pellet, every watt.

– Pavan Kosaraju

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Harnessing deep IoT technology, AI analytics, and full-stack ecosystem services, AquaExchange is building a connected, sustainable and highly profitable blue economy for India's shrimp and fish farmers.



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