



VASHITVA AI

The AI Operating Layer for Thermal Intelligence

Predictive cooling intelligence for next-generation AI data centres

PRE-SEED · BOOTSTRAPPED · BUILDING MVP

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Thermal Intelligence Should Be Infrastructure, Not an Afterthought

Vashitva AI's vision is to build the AI operating layer for thermal intelligence across next-generation data centres — the layer that lets operators see and act on heat before it becomes a cost, a risk, or a failure.

AI's Growth Has a Heat Problem

Every new AI model demands more compute. More compute means more heat. More heat means higher cooling cost, higher electricity and water consumption, more carbon, and a growing risk of infrastructure failure.

Traditional cooling systems are reactive — operators find out something is wrong only after temperatures rise. The next generation of AI infrastructure needs to see heat coming, not just respond to it.

The Numbers Are Moving Faster Than the Infrastructure

30–40%

of a data centre's total electricity draw goes to cooling

15% → 40%

AI's share of data centre workloads, by 2030

25.5M litres

water a single 1MW data centre can use per year on cooling (WEF)

2× by 2030

projected growth in global data centre electricity demand (IEA)

Today's cooling systems respond to heat after it happens — not before.

Vashitva AI: Predictive Thermal Intelligence for Data Centres

Vashitva AI continuously analyses server temperatures, rack behaviour, airflow, cooling efficiency, and energy and water consumption. Predictive AI models recommend — and can eventually automate — cooling optimisation before inefficiencies occur.

Efficiency gains are projected. They will be confirmed through pilot deployment — not claimed in advance.

One Platform, Built in Layers

MVP FOCUS

- Predictive thermal intelligence
- AI-powered cooling optimisation recommendations
- Real-time monitoring

PLATFORM ROADMAP — NOT YET BUILT

- Water consumption optimisation
- Energy optimisation modules
- GPU cluster thermal analytics
- Digital twin readiness
- Multi-site dashboard
- Sustainability reporting
- Edge + cloud deployment

How the Platform Works

01

Telemetry Ingestion

Temperature, load, and airflow data from existing BMS/cooling systems



02

Predictive Thermal Model

Forecasts heat build-up ahead of time



03

Optimisation Recommendations

Issued to existing cooling controls



04

Continuous Retraining

Model improves with more operational data

Designed to sit above existing infrastructure. Not yet pilot-validated.

Macro Meets Micro: A Future Unified Thermal Intelligence Layer

Over time, Vashitva AI aims to combine satellite thermal imagery, weather intelligence, and climate models with ground sensor networks and data-centre telemetry — connecting the macro environment outside a facility with the micro environment inside it.

LONG-TERM ROADMAP — NOT PART OF THE CURRENT MVP

MARKET

A Market Growing With AI Itself

\$20.7B → \$83.5B

Global data centre cooling market, 2025 → 2035 (~15% CAGR), driven directly by AI workload growth

TARGET CUSTOMERS

AI Data Centres · Hyperscalers · Enterprise Data Centres · Colocation Providers · Government AI Infrastructure · HPC Facilities

Multiple Paths to Revenue, Software-First

- SaaS subscription
- Private deployment
- Analytics platform
- Premium AI optimisation modules
- Enterprise licence
- API access
- Sustainability reporting

Pricing and packaging will be defined after pilot validation — not before.

Positioned Against Hardware-First Incumbents

Schneider Electric · Siemens · Vertiv · Johnson Controls · Traditional DCIM software

These are hardware and infrastructure-management companies first. Vashitva AI is AI-native from the ground up — a predictive software layer, not a hardware platform.

What Compounds Over Time

- Proprietary thermal intelligence models
- AI optimisation engine
- Future satellite + ground intelligence fusion (long-term)
- Sustainability datasets
- India-first AI infrastructure expertise

Earning Trust Before Asking for Scale

- 01 Cold outreach to data centre operators (22+ emails sent to date)
- 02 Serious-respondent follow-up with deck & demo
- 03 First pilot deployment with an early partner
- 04 Scale via licensing & SaaS subscriptions

From MVP to Platform

NEAR-TERM

Complete MVP; pursue first pilot deployment

MID-TERM

SaaS scale, multi-site dashboard, sustainability reporting

LONG-TERM

Satellite + ground intelligence fusion — not current scope

FOUNDER

Prabhat Mishra

Founder & CEO



Built and shipped BharatPath, India's sovereign digital infrastructure ecosystem, including five live products. Now building Vashitva AI — an AI-native thermal intelligence platform for data centres.

NVIDIA Inception Member

Selected — Seaside Startup Summit Armenia 2026

Investor Outreach Underway

FUNDING ASK

₹1.5 Crore Pre-Seed

USE OF FUNDS

Core AI/ML R&D

Pilot Deployment &
Validation

Team Expansion

Go-To-Market &
Partnerships

12-month goal: complete the first validated pilot deployment with a data centre partner.

Current stage: building MVP, product architecture completed, investor outreach underway. No paying customers, LOIs, pilots, or revenue exist yet.

Thermal Intelligence Is Becoming Core AI Infrastructure

As AI scales, the systems that keep it cool, efficient, and sustainable become as important as the models themselves. Vashitva AI is building that layer — from India, for the world.

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