

ROKIB AL DHIN RAADH

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18-year-old self-taught AI founder. Founder of Oxiedo, licensing the ORMAS training architecture to institutions whose data is closed to deep learning.

Publications & Technical Reports

R.A.D. Raadh. “ORMAS: Neural Architectural Transparency Enables Autonomous Self-Correction.” 2026. Zenodo preprint. DOI: [10.5281/zenodo.21730363](https://doi.org/10.5281/zenodo.21730363).

R.A.D. Raadh. “Self-Repair as a Bounded Disturbance: Input-to-State Stability of Neural Network Training Dynamics.” **DeepMath 2026**, Ohio State University. **Accepted (poster)** after double-blind review.

Recent Academic Service & Recognition

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| Dec 2026 | Reviewer, Program Committee
Trustworthy AI for Good (AI4GOOD) Workshop — NeurIPS 2026 , Paris <ul style="list-style-type: none">Peer review for the workshop’s trustworthy-AI track, covering mechanistic interpretability, attribution, post-deployment monitoring and model auditing. |
| Jul 2026 | Cosmos Institute — Review Cycle
Application ranked highest in its cycle . |

Accelerator & Venture Selection

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| Sep 2026 | Freshmango — Accelerator, Estonia <i>Accepted</i>
Offered a place after a direct evaluation call with CEO Philip Adler (Forbes 30 Under 30 Europe, 2026). No equity, no fee : 5,000-founder network, \$4M in AI credits, introductions across 160 venture funds . |
| Sep 2026 | 1752vc — Ignite Cohort <i>Accepted</i>
Top 5% of the applicant pool, then a final round to select the top 1% ; offered a place in the Ignite cohort. |
| Aug–Sep 2026 | Entrepreneur First — The Bridge, San Francisco <i>Final round</i>
Cold application to a first-round call with EF’s London team, August 2026. Two interview rounds completed for The Bridge , EF’s eight-week San Francisco residency; reached the final round. |
| Oct 2026 | 500 Global — Venture investor <i>Interview, 22 Oct</i>
Invited to a first-round interview. |
| Sep 2026 | Onstage — W26 Demo Day
Invited to the pre-pitch event in Central London; in the pool for the W26 cohort, ranked by investor interest across 350 venture funds including a16z, Sequoia, Balderton and LocalGlobe. |

Research Experience

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| 2024–pres. | Independent Machine Learning Researcher
ORMAS: Neural Architectural Transparency Enables Autonomous Self-Correction
PyTorch · 16,316 lines · 85 files · Codebase: anonymous.4open.science/r/ormas-EB73 <ul style="list-style-type: none">Three-signal training architecture: unmodified global backpropagation, a per-node local loss through a small shared bottleneck, and a health-gated correction engine with 8 diagnoses, each capped and logged.First Input-to-State Stability characterisation for a self-correcting architecture; correction rate decays from 4.2 to 0.05 per epoch, consistent with the stability analysis.Recovery from mid-training structural collapse: 80.3% against a parameter-matched baseline stuck at 10.0% permanently, on every seed (+70.3 pp). |
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- Retention through sequential task shift with no replay buffer and no task ID: **94.6%** against 47.3% for ResNet-18; 58.8% zero-shot on unseen combinations against 25% chance.
- 383 controlled experiments, 4 architecture families, every run reproducible from seed, single RTX 3090. One adverse result published: 1.0 pp below baseline under adversarial weight injection.

Engineering

2023–pres.	Sole Architect & Engineer OXIMO — Cognitive Multi-Agent Operating System Python · 40,933 lines production · 2,069 tests · Codebase: anonymous.4open.science/r/oximo-5C73 <ul style="list-style-type: none"> • Multi-agent operating system: hierarchical task decomposition, on-demand role creation via a self-hiring pipeline, Graph-of-Thoughts planner, three-tier memory with temporal decay, and a seven-check input safety cascade. • Rebuilt from a 106,000-line monolith to 40,933 lines — a 72% reduction with all 12 critical algorithms ported and 2,069 tests passing.
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Companies

2023–pres.	Founder <i>Oxiedo</i> — oxiedo.com Licensing ORMAS to institutions holding data they cannot currently train on. <ul style="list-style-type: none"> • One architecture under one licence, deployed on customer infrastructure. Five sectors in scope: AI training, regulated finance, medical AI, data-deletion obligation, and defence.
2024–2026	Founder <i>Black Bloxie LTD</i> — <i>UK registered</i> A live company run as a controlled test environment for OXIMO. <ul style="list-style-type: none"> • Registered a UK company at 17 from overseas, handling formation, AML compliance and cross-border operations independently. • Twelve-month deploy–remove–restore ablation on a live company, run to test whether the orchestration layer was load-bearing. Zero advertising spend, zero human sales hours.
2020–2024	Independent ventures (5) <i>Automated sales · AI development · market tools</i> Five ventures between 12 and 17, each failing at a different layer; the shared finding, that the constraint was coordination rather than capability, is what OXIMO was built to answer.

Technical Skills

ML / AI	PyTorch, PCGrad gradient surgery, ISS convergence theory, noise-robust training, multi-agent orchestration
Engineering	Python (advanced), C++, LaTeX, Docker, FastAPI, SQLAlchemy, ChromaDB, Prometheus, React, TypeScript
Languages	English (fluent), Bengali (native)

Education

Fall 2027	Prospective Undergraduate
2025–2026	Self-Directed Coursework <ul style="list-style-type: none"> • Deep Learning Specialization (5 courses), DeepLearning.AI (Andrew Ng). <i>Completed.</i> • MIT Open Learning (MITx) — seven programmes across foundation models, precision medicine, sustainable energy and transportation, and AI entrepreneurship. <i>Completed.</i>

Open-Source & Archives

ORMAS	preprint · source · full archive of 383 experiments
OXIMO	source (anonymous review)