

Ugyen Dendup

AI & Computer Science Student, GCIT | Co-Founder & CEO, NoMind

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Areas of Interest: Artificial Intelligence, Deep Learning, Retrieval-Augmented Generation (RAG), Reinforcement Learning, Computer Vision, and AI

PROFILE SUMMARY

I am a Tech Entrepreneur & AI Developer with 3+ years of experience in building AI-powered solutions and scaling startups. As Co-Founder & CEO of NoMind, I've grown the company from a dorm project into an AI-native customer support platform serving 8 enterprise clients and reaching 100,000+ users across Bhutan. My journey began in robotics, where I represented Bhutan in 5 international competitions and founded Bhutan Tech Force, the country's first robotics club. Over the past few years, I've built multiple AI platforms such as SherigAI, PoYo, FridgeVision, SearchBro, and Loju, many of which have gained national and international recognition.

EDUCATION

Gyalpozhing College of Information Technology (GCIT) – Royal University of Bhutan

Bachelor of Science in Computer Science (AI & Data Science focus)

2022 – Present Thimphu, Bhutan

- Current CGPA (Average): 69% across six semesters
- 2x Best Project of the Year – 2024 & 2025, GCIT
- Focused coursework in Machine Learning, Neural Networks, Natural Language Processing, and Data Analytics
- Currently writing a technical research paper titled:
“Self-Repairing RAG: Adaptive Retrieval and Generation Through Iterative Self-Correction”

EXPERIENCE

Entrepreneur First (EF) – Cohort Member

2025 – Present, Bangalore, India

- Selected to join one of the world's most competitive **deep-tech founder programs**.
- Working on next-generation **AI agent frameworks** with global mentorship, research support, and investors.

NoMind — Co-Founder & CEO

2022 – Present, Thimphu, Bhutan

- Founded Bhutan's first **AI-native customer support platform** integrating chatbots.
- Built and deployed AI systems across **8 enterprise clients**, including major **banks, airlines, and government agencies**, serving **100,000+ users**.
- Led AI product innovation in **Conversational Agents, RAG pipelines, and Live Chat integrations**.
- Company featured in **Bloomberg** and **Rest of the World** for advancing AI innovation in Bhutan.

Founder – Bhutan Tech Force
2018 – 2021, Thimphu, Bhutan

- Founded Bhutan's first **student robotics club**, mentoring 30+ young innovators.
- Represented Bhutan in **5 international robotics competitions**.

AWARDS & RECOGNITION

- **Top-3 Finalist**, *UNDP Civic Tech Innovation Challenge Asia-Pacific* (2024)
- **Accepted into Entrepreneur First (EF) Bangalore** — Global deep-tech founder program (~1.5% acceptance, 3× more selective than Harvard) (2025)
- **2x Best Project of the Year** – GCIT (2023 & 2024)
- **Winner**, GCIT × TashiCell Hackathon
- **Runner-up**, Startup Bhutan Hackathon
- **National Young Achiever Award** (2019)
- **Represented Bhutan** at *UNDP Youth Co:Lab Summit 2024*

CLIENT PROJECT

- **RAG AI Conversational Chatbots & Assistants** – Deployed for Bank of Bhutan (BOB), Bhutan National Bank (BNB), Drukair, and Bhutan Development Bank Limited (BDBL).
- **Automated Voice AI Agent** – Voice automation system for Bhutan airlines.
- **NoMind Labs** (ongoing) – Building foundational voice models for AI agents, focused on low-resource languages and voice AI technology.

RESEARCH & INNOVATION PROJECT

- **Self-Repairing RAG** (2025-ongoing) – Designing retrieval systems that can critique and repair their own reasoning loops.
- **SherigAI** – Adaptive AI tutoring system that uses reinforcement learning to guide students through hint-based problem solving.
- **FridgeVision** – Computer vision-powered food tracking and analytics system.
- **SearchBro** – RAG-based academic research search assistant.
- **PoYo (Pocket Yoga)** – Computer vision yoga guide.

RESEARCH INTERESTS

- **Foundational Models**
Developing base models for specialized applications and low-resource languages.
- **Voice AI Models**
Building foundational voice models for AI agents, with focus on multilingual and low-resource language support.
- **Adaptive and Self-Improving AI Systems**
Exploring models that can detect and repair reasoning errors mid-inference.
- **Retrieval-Augmented Generation (RAG) and Memory-Aware AI**

Building architectures that evolve through feedback and contextual learning.

- **Autonomous AI Agents**

Integrating causal reasoning and self-reflection in task-driven agentic systems.

PUBLIC ENGAGEMENT & OUTREACH

- **Guest Speaker**, *Launch of UNDP Human Development Report 2025* — Shared insights on the role of AI in human development.
- **Panel Member**, *National AI Development Workshop* — Discussed Bhutan's national AI readiness and ethical adoption.
- Advocate for **AI education and youth innovation**, inspiring students to explore applied AI research and entrepreneurship.

TECHNICAL SKILLS

Programming: Python, JavaScript, TypeScript

Frameworks: PyTorch, TensorFlow, LangChain, FastAPI, Next.js

Core Areas: AI/ML, LLMs, NLP, RAG, GenAI, Reinforcement Learning, Computer Vision

Tools: MongoDB, Cloudinary, Prisma, Git, Figma

Soft Skills: Leadership, Research Writing, Teaching, Public Speaking, Product Strategy
