



Chime Gyeltshen Dorji

Software Developer

CONTACT

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SUMMARY

Software Engineer and Computer Science graduate with expertise in AI/ML, Data Science, Full-Stack Development, and AI-powered applications. Co-founder of Aplos Lab and AI4Tarayana Challenge winner, experienced in building multilingual AI systems, enterprise platforms, and scalable software solutions for real-world impact.

CARRER HIGHLIGHTS

- AI Engineer, NoMind Bhutan
- Co-Founder, Aplos Lab
- 1st Place — AI4Tarayana Challenge 2026
- BTN 500,000 Pre-Seed Grant Winner
- Built Bhutanese multilingual AI systems
- Best Project of the year 2026(ACC)

EDUCATION

Gyalpozhing College of Information Technology	
Bachelor of Computer Science (AI Development & Data Science)	2022-2026
Gyalpozhing College of Information Technology, Bhutan	
Baylling Central School, Trashiyangtse(Science)	2019-2022

PROFESSIONAL EXPERIENCE

- NoMindBhutan — AI Engineer**
 - Developing and deploying custom AI software, enterprise AI agents, and government digital transformation solutions at Bhutan's leading AI engineering company.
- Co-Founder & AI Researcher**
Aplos Lab
 - Co-founded an independent AI research initiative focused on low-resource language technology and sovereign AI systems.
 - Developed NLP and speech models for Dzongkha and Sharchop including TTS and Neural Machine Translation systems.
 - Won 1st Place at the AI4Tarayana Challenge for an AI-powered multilingual translation platform.
 - Designed and led the Bhutanese Dialect Corpus project — collecting and structuring phonetic data across four language varieties (Kutoep, Bumthap, Sharchop, Dzongkha) in romanized transcription, with multi-contributor collection workflows

PROJECT EXPERIENCE

Document Intelligence | 2025–2026

Anti-Corruption Bhutan

- Architected and developed a secure offline Document Intelligence Platform for analyzing sensitive telecom records, Call Detail Records (CDRs), investigation documents, and enterprise datasets.
- Designed an air-gapped AI ecosystem leveraging Llama 3, FastAPI, ChromaDB, LangChain, OCR pipelines, semantic search, and document processing workflows to ensure complete data sovereignty and compliance.
- Built intelligent document ingestion, classification, entity extraction, semantic indexing, and contextual retrieval capabilities for large-scale investigative datasets.
- Developed advanced search and analytical workflows enabling investigators to uncover relationships, patterns, and insights from structured and unstructured data using natural language.
- Implemented privacy-first AI infrastructure suitable for government and high-security environments where cloud-based AI solutions were prohibited.
- Enabled faster evidence analysis and investigation workflows through AI-powered document understanding and knowledge discovery.

Smart Money & Inspector Money — Ethereum Wallet Analytics System | 2026

- Developed an Ethereum wallet analytics and monitoring system focused on transaction tracking, wallet behavior analysis, and blockchain data insights.
- Worked with big data technologies including Apache Spark to process and analyze large-scale blockchain transaction datasets.
- Built features for identifying wallet activity patterns, transaction flows, and smart money movements across the Ethereum network.
- Explored data visualization and analytics techniques to support blockchain intelligence and financial monitoring workflows.

Druk Happy Cleaning Website | Full-Stack Developer | 2026

Druk Happy Cleaning Services

- Designed and developed a modern business website to establish the company's online presence and improve customer engagement.
- Built responsive service pages, inquiry forms, and business information portals optimized for mobile and desktop users.
- Improved accessibility and user experience through intuitive navigation and performance-focused design.
- Supported digital marketing efforts by creating a professional online platform for customer acquisition.
- Project Link: <https://www.drukhappycleaning.com/>

Zeebar Resort Booking Platform | 2024

Zeebar Resort Samtse

- Developed a full-stack hotel booking and reservation platform for Zeebar Resort in Samtse, Bhutan.
- Implemented secure online booking workflows with integrated payment gateway functionality for seamless customer transactions.
- Designed responsive user interfaces to improve guest experience across room browsing, reservations, and booking management.
- Contributed to backend booking logic, customer data handling, and secure transaction processing.
- Helped strengthen the resort's digital presence by enabling efficient online reservations and streamlined hospitality management
- Project Link: <https://www.zeebarresort.bt/>

Zora AI | AI Course Generator Platform | 2025

Developed a full-stack AI-powered course generation and adaptive learning platform.

- Built dynamic course generation features using the Gemini API to produce structured, curriculum-aligned courses with videos, assessments, and auto-generated quizzes.
- Implemented a personalized learning engine that adapts study plans based on individual quiz results and learning behavior.
- Designed and developed an interactive chatbot interface supporting general academic queries and subject-specific assistance.
- Created a progress dashboard enabling students to track performance across quizzes and completed courses.
- Delivered a responsive, production-ready platform deployed on Vercel with full authentication and user management.
- Project Link: <https://zoraai-lyart.vercel.app/>

GMC Smart Parking System | 2025 - 2026

Pelsung Cohort 2

- Contributed to the development of a smart parking platform enabling users to locate, reserve, and navigate to available parking spaces in real time.
- Worked on parking detection and monitoring features using camera-based systems and intelligent routing workflows.
- Helped improve parking accessibility and urban mobility through digital booking and navigation functionality.
- Collaborated with a multidisciplinary innovation team under the Pelsung Cohort 2 programme.

Dzongkha OCR — Crowdsourced Handwritten Text Dataset | Year 2 Project, GCIT

- Recruited multiple human contributors to collect handwritten Dzongkha text samples, capturing natural variation in handwriting style across contributors.
- Designed the full data pipeline: collection intake, image ingestion, labelling workflow, deduplication, and quality-control checks to ensure consistent ground-truth annotations.
- Trained an OCR model on the resulting structured dataset; multi-contributor diversity improved model robustness for real-world handwriting.

CERTIFICATES

AI Engineer Core Track: LLM Engineering, RAG, QLoRA & Agents — Udemy (2026)

Issued by Udemy

Google UX Design Professional Certificate — Google (2026)

Issued by Coursera

AI Engineer Agentic Track: The Complete Agent & MCP Course — Udemy (2026)

Issued by Udemy

Ultimate RAG Bootcamp Using LangChain, LangGraph & More — Udemy (2026)

Issued by Udemy

Practical AI for Finance: Automate, Forecast & Optimize — Udemy (2025)

Issued by Udemy

LangChain & LangGraph: Develop AI Agents — Udemy (2025)

Issued by Udemy

ACHIEVEMENTS

1st Place — AI4Tarayana Challenge (2026)

- Won the national AI hackathon with a multilingual translation and text-to-speech platform focused on preserving and digitizing Bhutanese dialects.

Top 6 & Pre-Seed Grant Winner — Bhutan Startup Launchpad (2026)

- Recognized among Bhutan’s top startup teams and awarded BTN 500,000 in pre-seed funding for developing AI-powered multilingual language technology for low-resource Bhutanese dialects.

Best Project of the Year Award | 2026

- Recognized for building an innovative offline Document Intelligence System for secure analysis of sensitive investigative data.

Pelsung Cohort 2 Participant — Gelephu Mindfulness City (GMC) | 2025 – 2026

- Selected for Pelsung Cohort 2 under the Gelephu Mindfulness City (GMC) initiative, where I collaborated on technology-driven innovation projects including a smart parking system with real-time parking discovery and booking functionality.

SHIFT Campaign Workshop Participant — Save the Children (2025)

- Participated in the SHIFT Campaign Workshop focused on innovation, youth engagement, and social impact campaign development, contributing ideas around AI-powered learning platforms and digital accessibility.

CTF Cybersecurity Hackathon Participant (2025)

- Participated in Capture The Flag (CTF) cybersecurity challenges involving problem-solving, secure systems analysis, cryptography, and ethical hacking concepts.

TECHNICAL SKILLS

Programming & Development

Python, JavaScript, Java

Artificial Intelligence

Machine Learning, NLP, Speech Technology, LLM Applications, Offline RAG Systems, Data Pipeline Design, Corpus Annotation

Frameworks & Tools

React, Next.js, FastAPI, Docker, Git,

Core Strengths

Problem Solving, System Design, Research, Team Collaboration, Crowdsourced Data Collection

LANGUAGES

Dzongkha

Native proficiency

Sharchop

Native proficiency

English

Professional working proficiency

REFERENCES

Yonten Jamtsho

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Relationship: Lecturer

Ugyen Dhendup

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Relationship: Company CEO