

Kabir Tamari

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LinkedIn

Master's student in Embedded and Intelligent Systems with **Half a Decade of Real World Experience** in building scalable, data driven solutions and systems to help businesses scale and automate. Strong interest in system development, architecture and impactful problem solving. Comfortable working both in a team and independently with a sense of ownership.

Work Experience

Mandala Tech, Kathmandu Feb 2020 – Sept 2025

Project Lead,

- Designed systems and solutions to optimize business workflows and scalability, developing multi-tenant ERP systems with multiple services and AI automations.
- Developed AI-driven automation tools using LangChain, Qdrant vector databases, and Gemini Vision OCR, reducing manual labor and enabling data-driven decisions.
- Designed microservices for distributed systems handling multi-ERP integrations, loyalty programs, and government API compliance.
- Managed a team of 2–6 developers, ensuring smooth CI/CD workflows via GitHub Actions and working with stakeholders from problem discovery to production.

Himalayan Creatives, Syangja Mar 2024 – Feb 2025

Senior Developer,

- Led a 5-member development team in designing and developing full-stack web applications and digital platforms.
- Architected and implemented booking systems, customer management platforms, and logistics solutions from concept to production.
- Collaborated with stakeholders to translate business requirements into technical specifications and scalable system designs.
- Managed end-to-end project delivery including database design, API development, frontend implementation, and deployment.

Merkle Labs, Sheridan Mar 2023 – Feb 2025

Software Developer,

- Developed real-time cross-chain blockchain monitoring platforms tracking gas prices across Ethereum, Polygon, Arbitrum, and Optimism using WebSocket, Celery, Redis Time Series, and Stripe for subscription management.
- Architected decentralized prediction and betting platforms on Arbitrum with Solidity smart contracts, Django Channels for real-time updates, and Chainlink VRF for provable randomness.
- Implemented blockchain event listeners, WebSocket connections, and smart contract interactions for real-time on-chain data synchronization and user notifications.

Education

Halmstad University 2025–

M.Sc. Embedded and Intelligent Systems, Networks, real-time, robotics, ML.

Tribhuvan University 2016–2020

B.Sc. Computer Science & IT, Software architecture, ICT, systems.

Recent Major Projects

BooksMandala/ERPv2 2022–2025

Team Lead / Senior Developer, Top online bookseller in Nepal (65,000+ titles). Multi-tenant ERP: Django/React, PostgreSQL, Redis, Elasticsearch, Celery. AI recommendations via LangChain/Qdrant.

ERP-AI / Jublie-AI 2023–2025

AI Systems Architect, AI book management: OCR (Gemini Vision), semantic search (Qdrant), LangChain workflows. FastAPI/gRPC with WebSocket recommendations.

Discount-Service 2023–2024

Microservices Architect, Multi-ERP loyalty microservice. Django/Celery/RabbitMQ with centralized store credit calculation, invoice processing, analytics.

IRD-Relay 2023–2024

Middleware Architect, Government API middleware for Nepal tax compliance. Invoice sync, retry logic, data transformation. Django/Celery with multi-ERP support.

GweiStation.io 2023–2024

Full Stack Developer, Real-time cross-chain gas tracking platform. Django/React with WebSocket, Celery, Redis Time Series, Stripe subscriptions. Multi-network monitoring (Ethereum, Polygon, Arbitrum, Optimism).

Freedom Adventure Treks 2024

Full Stack Developer, Trek and tourist activity booking platform. Customer management, logistics, bookings, hotels, tickets. Full-stack solution with booking workflows and payment integration.

Skills

Programming: Python, JavaScript, Go, C, Bash, Solidity

AI/ML: LangChain, LangGraph, PyTorch, TensorFlow, Keras, Vector DBs (Qdrant), OpenRouter

Backend: Django, DRF, FastAPI, Flask, gRPC, Django Channels, Celery

Frontend: React.js, Next.js, Streamlit

Data & Storage: PostgreSQL, Redis, Elasticsearch, RabbitMQ, MinIO/S3, Qdrant

DevOps & Cloud: Docker, Kubernetes, AWS, Nginx, GitHub Actions, CI/CD

Blockchain: Web3, Ethereum, Smart Contracts, Solidity, Chainlink VRF

Other: Linux, Git, LaTeX, Microservices, DDD, N8N, Stripe, Firebase

Languages: Nepali (native), English (fluent), Hindi (C1)