europass

Roshani Thapa

Nationality: Nepalese **Date of birth:** 14/04/2002

Home: (Nepal)

EDUCATION AND TRAINING

Bachelor in Computer Science and Information Technology (B.Sc. CSIT)

Tribhuvan University [01/09/2019 – 06/11/2024]

City: Kathmandu | **Country:** Nepal | **Level in EQF:** EQF level 6

Artificial Intelligence, Data Structure and Algorithm, Data Mining, Computer Network, Cryptography, Statistics, Computer Architecture, Computational Theory, Mathematics

Higher Secondary Education

Kathmandu Model College [01/08/2017 – 01/05/2019]

City: Kathmandu | **Country:** Nepal | **Level in EQF:** EQF level 4

Science (Physics, Chemistry, Mathematics, Biology)

Secondary Education Examination (SEE)

Shree Laxmi Narayan Madhyamik Vidhyalaya

City: Lamjung | **Country:** Nepal | **Level in EQF:** EQF level 2

English, Nepali, Mathematics, Science, Social Studies, Health, Population & Environment, Optional Mathematics, Office Management & Accounts

WORK EXPERIENCE

ScaleBuild AI – Kathmandu, Nepal

Fullstack AI Engineer

[01/09/2026 – Current]

- Built Hyperscaler, a Next.js platform to create and launch Meta and Google Ads campaigns directly from the web app.
- Integrated the Meta Marketing API and Google Ads API for account linking, campaign setup, targeting, and budget management.
- Developed a Bun worker service for Ujjwal Capital that matches investors with suitable businesses.
- Designed asynchronous background processing to handle matching jobs efficiently and at scale.
- Built AI agent workflows using LangGraph, including memory setup for persistent, context-aware conversations across sessions.
- Wrote test scripts and agent skill scripts to validate agent behavior and extend agent capabilities.

Brahmabyte Lab Private Limited – Kathmandu, Nepal

Mid AI Engineer

[09/11/2025 – 31/07/2026]

- Designed and implemented end-to-end RAG pipelines using Milvus and Pinecone for scalable semantic search
- Built OCR-based image processing workflows to extract and structure textual data for AI systems
- Developed ecommerce automation workflows using n8n for order handling and integrations
- Fine-tuning voice models for Nepali data
- Implemented AI spam detection systems and LLM guardrails for safety
- Designed and managed multi-agent AI infrastructures

Palm Mind Solution Pvt. Ltd. – Kathmandu, Nepal

Junior Machine Learning Engineer

[18/07/2024 – 14/07/2025]

- Developed internal sentiment analysis tools using domain-specific datasets for text classification.
- Cleaned and prepared NLP datasets to improve sentiment model training quality.
- Built LLM-powered chatbot workflows using LangGraph and LangChain frameworks.
- Implemented multi-turn conversations with memory management for contextual chatbot responses.
- Integrated agent-based tool calling to connect chatbots with external services.
- Designed chatbot flows to handle complex user queries and task execution.

Palm Mind Solution Pvt. Ltd.

Machine Learning Engineer - Intern

[17/03/2024 – 17/07/2024]

- Learned and applied LangChain concepts for developing LLM-powered chatbot workflows.
- Practiced prompt engineering techniques to improve chatbot responses
- Gained basic knowledge of Docker for containerising

SKILLS

Python (computer programming) / machine learning / deep learning / computer vision / SQL / gRPC, Protobuf (basic) / MCP(Microsoft Certificated Professional)(Server 2016 certified)

LANGUAGE SKILLS

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user