TSERING WANGCHUK SHERPA

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EDUCATION

Seneca Polytechnic   *Sep 2025 — Apr 2026*
Artificial Intelligence

Coventry University   *Sep 2019 — Jul 2022*
Bsc. Computer Science

EXPERIENCE

Junior Web Developer   *Jun 2021 — Sep 2022*
TechLekh Services   *Kathmandu, Nepal*
- Developed and launched scalable web applications using Java Spring Boot, increasing site traffic significantly and improving user satisfaction by optimizing server-side performance and API efficiency.
- Successfully integrated third-party APIs and libraries to enhance website functionalities, such as payment gateways and interactive maps.
- Actively collaborated with product designers to bring their high-fidelity prototype to life, delivering implementations that matched the original design vision.
- Participated in code reviews and provided constructive feedback to team members, fostering a collaborative and knowledge-sharing environment.

PROJECTS

AI onboarding RAG application | Python, Streamlit, Langchain, ChromaDB
- Developed a Retrieval-Augmented Generation (RAG) system using LangChain and ChromaDB to automate document-based onboarding, enabling semantic search and context-aware responses from localized knowledge bases.
- Built a responsive full-stack AI prototype with Streamlit, providing an interactive user interface for querying vector databases and visualizing model outputs in real-time.

Research Assistant - Chrome Extention | Java, Springboot, Javascript, Gemini API
- Developed a Research Assistant backend using Java and Spring Boot, developing RESTful APIs to process user queries and orchestrate real-time interactions with Gemini API
- Built a chrome extention to interact with the api and provide seemless user experience

Create Manga AI | Python, FastAPI, ReactJs, MaterialUI, Langchain, OpenAI
- Developed a full-stack generative AI platform using FastAPI and ReactJs, allowing users to build branching manga stories with AI-generated content
- Engineered a RESTful API architecture to orchestrate AI manga generation workflows, implementing asynchronous processing and state management for handling multiple concurrent manga creation requests

AI resume analyzer | Python, Streamlit, OpenAI
- Engineered an AI-powered Resume Analyzer using Python and LLMs, automating the extraction of key technical skills and experience from candidate documents to perform automated compatibility scoring.
- Developed an interactive web prototype with Streamlit, enabling users to upload resumes and receive real-time, data-driven feedback on alignment with specific job requirements.

SKILLS

Languages : Python, HTML, CSS, SQL, Java, Javascript
Frameworks: Express JS, Streamlit, React.js, FastAPI, Node.js, Material UI, Springboot, Spring Web
Developer Tools: VS Code, Git, Docker, Pycharm, AWS, GCP
AI & Gen AI: RAG Architectures, LangChain, ChromaDB, Vector Databases, Prompt Engineering, Semantic Search., LLM