ASHIM K.C.

📞 +977 9861784055 | ✉ ashimkc7297@gmail.com | 🔗 linkedin.com/in/ashimkchhetri | 🐙 github.com/aseeeem-kc | 🌐 ashimkchhetri.com.np

SUMMARY

Aspiring AI Engineer with experience in backend development and over a year of hands-on experience in software and AI. Passionate about building practical AI solutions and integrating them into scalable systems. Experienced in leading a community of 20–30 members to organize, manage, and conduct workshops, fostering collaboration and knowledge sharing. Focused on bridging the gap between AI research and real-world applications.

EDUCATION

Herald College Kathmandu   Kathmandu, Nepal
Bachelor of Science (Hons) in Computer Science   *July 2023 – Present*

St. Xavier's School   Jawalakhel, Nepal
Higher Secondary Education (+2) in Computer Science   *August 2021 – May 2023*

PROJECTS

TradeNiti - AI-Powered Backtesting Platform | *fastAPI, LLM, Docker*   MBMC IdeaX Hackathon 2025
- Built Nepal's first AI-powered backtesting platform for NEPSE market, addressing the challenge of expensive and inflexible backtesting tools for retail traders
- Implemented natural language to code conversion using LLMs, allowing traders to describe strategies in plain language
- Integrated Monte Carlo simulations to model future price movements and provide realistic risk assessment
- Collaboratively developed system to backtest strategies on historical market data and return detailed performance metrics

Staff-tech – Resume Analyzer and HR Helper | *Django, AngularJS, Langchain*
- Leveraged LLM to parse resumes and provide structured feedback to candidates
- Implemented RAG-based agentic chatbot for managing HR workload and queries
- Built full-stack application with Django backend and AngularJS frontend

Upstart – Online Marketplace | *Django, WebSockets, JWT*
- Built secure online marketplace with JWT authentication and email verification
- Integrated real-time chat functionality using WebSockets for user interaction
- Implemented lexical search and managed full backend workflows including user and transaction management

Rentmandu – Online Rental Platform | *Django, PostgreSQL, Redis*
- Built and managed core backend systems for designing RESTful APIs, including property listings, bookings, authentication, and payment tracking
- Led team coordination and utilized PostgreSQL and Redis for efficient data handling

PUBLICATIONS

LLM Ensemble: Multi-LLM Framework for Creative Mathematics Problem Generation   Under Review
- Ohio Journal of School Mathematics (Under Review) – Co-authored with Rohit Khadka
- Conducted under the guidance of Prof. Michael Todd Edwards, proposing a multi-LLM system to generate curriculum-aligned, cognitively rich mathematics problems
- Developed prototype web application in FastAPI and React.js with asynchronous model querying, prompt routing, and response aggregation

Experience

Steering Leader   March 2024 – Present
AI Learners Community (DevCorps)   *Kathmandu, Nepal*
- Leading the AI community for over a year, conducting sessions and meetings on AI and software development
- Organized workshops and events, demonstrating leadership and team coordination skills
- Mentored community members on AI integration, prompt engineering, and practical implementations

Web Development Intern   June 2024 – August 2024
SmartSites   *Kathmandu, Nepal*
- Built and maintained dynamic websites using Python, PHP, and MySQL
- Handled backend logic, database design, and WordPress plugin customization
- Collaborated with clients to implement features and ensure smooth site performance

Research and Development Intern   January 2024 – May 2024
Codynn   *Kathmandu, Nepal*
- Conducted research on machine learning and recommender systems to support product innovation
- Created educational content on AI and emerging technology topics
- Collaborated with the team to apply research findings in real-world learning tools

Technical Skills

Languages: Python, C, Java
Frameworks: Django, PyTorch, fastai, FastAPI, Streamlit, CrewAI, Langchain, LangGraph
Tools: Git, Docker, Postman, PostgreSQL, MySQL, MongoDB, Google Firestore, AWS (Basic), Jira, VS Code, Redis, JMeter, Openrouter, HuggingFace
Skills: AI Integration, Prompt Engineering, Computer Vision, System Design (Basic), DevOps (Basic)

Certifications

AI Engineer for Data Scientist Associate | *DataCamp*

Data Analysis with Python | *freeCodeCamp*

Agentic AI: Hands-on Certificate

Postman API Fundamentals Student Expert | *Postman*

Languages

Nepali: Native | **English**: Working Proficiency | **Hindi**: Working Proficiency

Extracurricular Activities

Active blogger on Medium, sharing insights from hands-on experience and exploring emerging AI and software technologies

Regular attendee and contributor to technical communities

Attended prestigious MBMC IdeaX hackathon, Aqore Hackathon

Reference

Er. Abiral Sangroula
Principal Engineer, QSystems AI
📞 +977 9849857333 | ✉ abiral.sangroula@qsystems.ai | 🔗 linkedin.com/in/abiral-sangroula-454a50186