Master of Computer Science (Software Engineering & Machine Learning and Big Data)

University of Wollongong, Australia (2023–2025)

Two majors: Software Engineering and Machine Learning & Big Data

Coursework focus: scalable system design, ML algorithms, big data analytics, and real-world deployment strategies (e.g., RAG pipelines).

Capstone Project: "iPaper" — a microservices-based research paper summarizer and recommender using Gemini LLM, ChromaDB, FastAPI, and Next.js.

Developed advanced skills in software lifecycle management, data engineering, and cloud deployment.

Bachelor of Engineering in Computer Engineering (Mobile Application Development)

Pokhara Engineering College, Pokhara University, Nepal (2014–2018)

Major in Mobile Application Development.

Winner of the Inter-College Software Development Championship.

Key coursework included:

Programming & Systems: C, C++, Object-Oriented Programming, Operating Systems, Data Structures.

Algorithms & Mathematics: Engineering Mathematics I–IV, Probability & Statistics, Numerical Methods.

Networking & Hardware: Computer Networks, Data Communication, IP Switching & Routing, Embedded Systems, Microprocessors.

Advanced Technologies: Artificial Intelligence, Image Processing, Pattern Recognition, Advanced Web Technology.

Software Engineering & Management: ICT Project Management, Object-Oriented Software Engineering, Social & Professional Issues in IT.

Electronics & Circuits: Logic Circuits, Electronics Devices, Instrumentation, Digital Signal Processing.

Built strong foundations in software engineering, system design, and mobile solutions.