Yasamber Rai

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I am currently striving to achieve my goal of becoming a Data engineer. I am also a freelance Copywriter. I also write blogs about data science while learning to build it. Certified by Harvard (CS50) and freeCodeCamp, I love problem solving and logical thinking.

EDUCATION

Jubilant Elite Academy — **2019 - 2021**
SEE - ***Grade - 3.85/4*** — *Pulchowk, Lalitpur*

Nepal Don Bosco College — **2021-2023**
+2 Science - ***Grade - 2.78/4*** — *Sanagaun, Lalitpur*

University of Central Lancashire — **Currently Enrolled**
Bachelor in Computing(Hons) — *Pyla, Cyprus*

COURSEWORK

- Programming Fundamentals
- Operating System
- Computer Networks
- Big Data Technologies
- Mathematics
- Database Management System

PROJECTS

LIBRARY MANAGEMENT SYSTEM — 2025

- Built a database to manage books, members, and borrowings.
- Enabled real-time tracking of book availability and overdue returns.
- Designed normalized tables with foreign keys and constraints.
- Created views like overdue books and optimized with indexes.
- Included sample data and queries for quick setup and testing.
- **Tools-Used**: SQL

VISA PREP TOOL — 2025

- Built a command-line app to practice common visa interview questions interactively.
- Allows users to add custom questions and view model answers after attempting their own.
- Developed menu-based logic with Python's built-in features and JSON file handling.
- Designed for offline use, helping users build confidence through repeated practice.
- **Tools Used:** Python

SKILLS

Technical Skills: Git, Github, C, C++, Canva, Python, SQL
Soft Skills: Problem Solving, Leadership, Communication, Public Speaking & Teamwork, Critical thinking, Song-Writing
Languages: English (Fluent), Nepali (Native), Hindi (Conversational)

EXPERIENCES

Blogger
Medium
2025-Present
Online

CERTIFICATIONS

CS50's Introduction to Programming with Python
Harvard University (via edX)
2025

CS50's Introduction to Database with SQL
Harvard University (via edX)
2025

Scientific Computing with Python
freeCodeCamp
2025

Data Analysis with Python
freeCodeCamp
2025