# Yasamber Rai

Budanilkantha, Kathmandu, Nepal

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I am currently striving to achieve my goal of becoming a Data engineer. I am also a freelance Copywriter and a freelance Singer. 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*

## 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 (Fluent), Japanese (conversational)

## EXPERIENCES

**Blogger** ⤢                                                                    **2025-Present**
Medium                                                                                *Online*

## CERTIFICATIONS

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

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

**Scientific Computing with Python**  ⤢                                       **2025**
 freeCodeCamp

**Data Analysis with Python**                                                 **2025**
freeCodeCamp                ⤢