

ASIM BASNET

Contact

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Languages

- HTML
- CSS
- Django
- C/C++
- PHP
- Python
- SQL

Skills

Backend Development

Database Design

Technical Writing

Version Control

Leadership

Communication skills

Frontend Development

Profile

A motivated Computer Engineering student with a strong grasp of front-end web development, along with foundational knowledge of backend technologies and databases. Always striving to grow both personally and professionally while contributing meaningfully to team success.

Education

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| +2 Science NIST, Kathmandu | Graduated 2021 |
| Bachelor of Computer Engineering Tribhuvan University Advanced College of Engineering | 2022 – Present |

Academic Project

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| Tetris Game in Python | 2023 |
| Created a functional Tetris game in Python as an academic project, featuring piece movement, rotation, collision detection, and line-clearing. The code was organized modularly for clarity and maintainability, showcasing strong problem-solving and programming skills. | |
| AR Language Learning App | 2024 |
| Developed an augmented reality app that detects real-world objects using a custom-trained YOLOv2 Tiny model and displays their names in multiple languages (English, Nepali, Spanish, French, Chinese). Integrated object detection with offline translation and a Unity-based AR interface to make language learning interactive and engaging. | |
| AI-powered Mental Health Assistant | 2025 |
| Built an AI-driven assistant that analyzes real-time speech-to-text input, performs sentiment analysis, and classifies mental health states (e.g., normal, anxiety, depression, suicidal, bipolar). Combined custom-trained models for text summarization, emotional assessment, and chatbot-based mental health support with actionable suggestions. | |