

# 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

**+2 Science** Graduated 2021  
NIST, Kathmandu

**Bachelor of Computer Engineering** 2022 – Present  
Tribhuvan University  
Advanced College of Engineering

## Academic Project

**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.