

Anaya Koirala

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Education

Gettysburg College, Pennsylvania *BS in Computer Science, BA in Philosophy* May 2028

- **GPA:** 3.92

Ullens School IBDP, Kathmandu *International Baccalaureate Diploma* May 2024

- **Higher Level Subjects:** Maths Analysis and Approaches, Computer Science, Physics
- **Standard Level Subjects:** English A: Language and Literature, French *ab initio*, Economics
- **Core Subjects:** Extended Essay in Computer Science, Theory of Knowledge

Professional Experience

Peer Learning Assistant for Computer Science (CS 111) Jan 2025 –

- Assist students and professor in class three times a week.
- Hold weekly PLA office hours for two hours, providing extra help and tutoring.
- Support the professor in distributing and managing class materials.

Technologies

Programming Languages: Python, Rust, Java, C, SQL, HTML

Systems: UNIX, Windows

Tools: L^AT_EX, Word, PowerPoint, Excel, Vim

Projects

SubHunt

[Github](#) 

- Purely audio based PvE video game focused on accessibility.
- Collaborated with computer science professor and peers for “Games for Blind Gamers 4” game jam.
- Utilized technologies including Godot Engine, GDScript, Audacity.
- Involved in game design, torpedo and sonar systems and play testing.

Music-Generating-LSTM-EE

[Github](#) 

- Conducted research for my IBDP Extended Essay, exploring music generation using artificial intelligence and generating the musical style of J.S. Bach.
- Received Grade: A (Highest)
- Utilized technologies including Python, LSTM, L^AT_EX, Neural Networks, NumPy, and TensorFlow.
- Included the essay (pdf and tex file) in **Essay.zip**.

codeDP

[Github](#) 

- Dedicated desktop code editor for the IB Computer Science pseudocode.
- Technologies Used: Python, QT6, PySide6

Relevant Activities

- Painted Turtle Farm, *Volunteer* (2024 –)
- ACM Leetcode Sessions, *Participant* (2024 –)
- Quizbowl Club, *Participant* (2024 –)
- Criminal Justice Collective Club, *Secretary* (2024 –)
- The Gettysburg Cinematics, *Treasurer* (2024 –)
- The Gettysburgian (Campus Newspaper), *Writer* (2024–)

[Gettysburgian](#) 

Languages

Fluent: English, Nepali, Hindi

Intermediate: French