Arnav Sharma

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EDUCATION

College of Applied Business & Technology   **Chabahil, Kathmandu**
B.S. in Computer Science and Information Technology   *Expected Graduation, December 2024*
Tribhuvan University
- o **Concentrations:** Computer Science
- o **Related Coursework:** Data Structures & Algorithms, Cryptography, Computer Architecture, Design & Analysis of Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

CAB-Tech   **Chabahil, Kathmandu**
Software Development and Digital Marketing   *May 2023 – Present*
- Responsible for creation of posts for the college social media
- Developed Learning Management System using Laravel framework

PROJECTS

Chess Engine   **Baluwatar, Kathmandu**
Solo Project   *Oct 2023*
- Developed a chess engine that can be played in different modes
- Created using Python, Pygames library for the game interface and implemented Negamax algorithm with Alpha-Beta Pruning for AI moves generation

Robo-Soccer Bots   **Chabahil, Kathmandu**
Team Member   *Jul 2023*
- Created a Robo-Soccer bots using Arduino-Uno and Monster-Moto Driver
- Implemented bots' control by setting up control with both a Bluetooth device and Flysky

Movie Recommender   **Chabahil, Kathmandu**
Team Member   *Mar 2023 – April 2023*
- Created a user-friendly interface for movie recommendations.
- Implemented content-based recommendation based on movie tags
- Employed sklearn's Count Vectorizer and cosine similarity to calculate movie similarity based on tags.

ACTIVITIES AND LEADERSHIP

College of Applied Business and Technology   **Chabahil, Kathmandu**
Member of Student Welfare and Counselling   *Mar 2022 – Jan 2024*

TechTrix 2023   **Tinkune, Kathmandu**
Participated in Hackathon   *Sep 2023*

Hex-Himalaya Hackathon   **Chyasal, Lalitpur**
Participated in Robo-Soccer Event   *Jul 2023*

PROGRAMMING SKILLS

Fluent: Python, JavaScript, HTML/CSS, SQL, C++, C, C#, PHP
Familiar: Linux (CentOS), Canva, Figma, Arduino
Tools: IntelliJ, PyCharm, Visual Studio, Jupyter Notebooks, Git, Bootstrap, Agile
Frameworks: Django, Laravel, .NET, Flask, Streamlit