

# Arnav Sharma

| arnav6266@gmail.com | +977-9840033018 | LinkedIn: [Arnav Sharma](#) | GitHub: [srmaarnav](#) |

## EDUCATION

### College of Applied Business & Technology

B.S. in Computer Science and Information Technology  
Tribhuvan University

Chabahil, Kathmandu

Expected Graduation, December 2024

- **Concentrations:** Computer Science
- **Related Coursework:** Data Structures & Algorithms, Cryptography, Computer Architecture, Design & Analysis of Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

## EXPERIENCE

### CAB-Tech

Software Development and Digital Marketing

Chabahil, Kathmandu

May 2023 – Present

- Developed and implemented strategies to increase brand awareness and engagement
- Developed modules for Learning Management System using Laravel framework

## PROJECTS

### Chess Engine

Solo Project

Baluwatar, Kathmandu

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

Team Member

Chabahil, Kathmandu

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

Team Member

Chabahil, Kathmandu

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

Member of Student Welfare and Counselling

Chabahil, Kathmandu

Mar 2022 – Jan 2024

### TechTrix 2023

Participated in Hackathon

Tinkune, Kathmandu

Sep 2023

### Hex-Himalaya Hackathon

Participated in Robo-Soccer Event

Chyasal, Lalitpur

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, Trello, Jira, Slack, Notion

**Frameworks:** Django, Laravel, .NET, Flask, Streamlit