

Aakriti Banjara

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📅 2002/02/15

🚩 Nepalese

♀ Female

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🐙 github.com/Aakriti555

🔗 <https://joyfuldev.itch.io/>

Profile

I am a final-year Computer Engineering student with hands-on experience in software development, digital marketing, and event management. I have developed web applications and successfully managed social media platforms for events. As a curious and knowledge-driven individual, I am always eager to learn new technologies and improve my skills. I am a quick learner and hard-working, diligently accomplishing my tasks while maintaining excellent communication skills and a proven ability to collaborate effectively in diverse team environments. In my free time, I enjoy watching movies, singing, dancing, and traveling, which enriches my perspective and creativity.

Education

2015 – 2017	SEE
Malpi, Nepal	<i>Shree Bhaleshwor Secondary School</i>
2018 – 2020	+2 Science
Dekocha, Nepal	<i>Khwopa College</i>
2021 – 2025	CE final year
Dhulikhel, Nepal	<i>Kathmandu University</i>
	<ul style="list-style-type: none">• Core Topics: Data Structures & Algorithms, Neural Network and Deep learning , Artificial Intelligence, Software Engineering, Object-Oriented Programming• Mathematics & Theory: Probability & Statistics, Linear Algebra, Algorithm Complexity• Specializations & Projects: Web Development, Computer Graphics, Embedded Systems, Computer Networks

Projects

Flappy Bird Game

C++ | 2nd semester

- Developed a Flappy Bird game using C++, which helps to strengthen understanding of game mechanics and basic C++ programming.

E-commerce Website for Renting Clothes

React.js, Node.js, MongoDB | 3rd Semester Project

- Created a fully functional e-commerce site using **React.js, HTML, CSS, JavaScript, Node.js, and MongoDB** for a platform specializing in clothing rentals
- Primary role: Frontend development
- GitHub: [AttHire](#) 📄

Project Management Website

React.js, Node.js, MongoDB | 4th Semester Project

- Designed and developed a project management system to facilitate project tracking and collaboration using **React.js, Node.js, Express, and MongoDB**.
- Primary role: Backend development and database management

- GitHub: 4th-sem-projects [↗](#)

PDF-Answer-Retriever and OCR for Handwritten Text

Langchain, TensorFlow, Flask | 5th Semester Project

- Implemented an OCR-based solution and answer retrieval for PDFs using **Langchain, Hugging Face, TensorFlow, pytesseract, Flask, OpenCV, and Flutter**.
- Primary role: OCR functionality and Langchain integration
- GitHub: AI-PDF-Answerer [↗](#) , OCR [↗](#)

World's Hardest Game Solving AI Bot

Python, Pygame, Reinforcement Learning | 6th Semester Project

- Developed a bot using reinforcement learning (Q-learning) to navigate game challenges.
- Primary role : Model development
- GitHub: World's Hardest Game Bot [↗](#)

Mini projects

Face Recognition Using PCA

Mathematics and Numerical methods using python

Even Number Separation

8085 Simulator

NoSQL Database Implementation

Neo4j

Memory Management System

Finance Calculation Tool

Engineering Economics

Obstacle Avoiding Car

Arduino Uno, Servo Motor

Voxel Engine

Graphics Concepts

Professional Experience

Digital Marketing

IIDE's Global Virtual Internship Programme.

The internship included training and tasks related to Social Media Marketing, SEO, Content Writing and Google Sheet Management.

Skills

Programming Languages

Python, C, C++, JavaScript

Web Development

React.js, HTML, CSS, Node.js, Express.js

Database Management:

MongoDB, MySQL

Machine Learning & AI Frameworks:

ensorFlow, PyTorch, Scikit-learn, Keras, Hugging Face, Tesseract, Matplotlib, numpy, seaborn, Scikit-Learn, Pandas.

Tools & Technologies

Git, GitHub, Postman, FastAPI, LangChain, Arduino, Proteus, Draw.io [↗](#) .

Game Development

Unity, C#

Soft Skills

Strong analytical and problem-solving abilities, teamwork, and effective communication

Digital Marketing

SEO, social media management, content creation, analytics

Courses

The Ultimate MySQL Bootcamp Go from SQL Beginner to Expert

Udemy

Deep Learning Advanced Computer Vision (GANs, SSD, +More!)

Udemy

Python for Data Science, AI & Development

IBM, Coursera

Linear Algebra for Machine Learning and Data Science

IBM , Coursera

Probability & Statistics for Machine Learning & Data Science

IBM, Coursera

Calculus for Machine Learning and Data Science

IBM, Coursera

Exploratory Data Analysis for Machine Learning

IBM, Coursera

Leadership Experience

Social Media Manager

KU-Hackfest 2022

Managed social media platforms to promote the event, increasing engagement and participation.

Event Manager

Avishkaar 2023

Coordinated logistics and managed on-ground operations to ensure the smooth execution of the event.

Marketing Committee Member

It-Meet 2023

Contributed to marketing strategies and promotional activities to enhance event visibility.

Sponsor Team Member

EmpowerHer

Assisted in securing sponsorships and building relationships with potential sponsors to support the event.

Languages

- English
- Nepali
- Hindi

Hobbies

Watching Movies

Enjoy a variety of genres, particularly thrillers and suspense films.

Singing

Passionate about music and enjoy singing in my free time.

Dancing

Love to express myself through dance and participate in dance activities.

Traveling

Enjoy exploring new places and experiencing different cultures.