

Bishal Sarangkoti

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Summary

An Undergraduate Computer Engineering student who is passionate about coding and solving problems. My areas of interest include competitive programming, algorithms, problem-solving, computer vision, web automation, data scraping, data visualization and writing about programming.

Education

Bachelors

Computer Engineering

Kathmandu University

May 2016 - Present

Plus Two

PCMB

St. Xavier's College, Maitighar

Jan. 2014 - Aug. 2016

Experience

Community Coordinator at KUCP

Jul. 2018 - Jul. 2019

- Community Coordinator at Kathmandu University Competitive Programming(KUCP) Group
- Organized Workshops on Competitive Programming and Problem Solving
- Organized Weekly Coding Contests

Projects

AI plays Baagchal

- An implementation of an AI to play the classic Nepali board game called Baagchal (Tiger and Goat) using the minimax algorithm.

Recursion Visualiser

- A simple python package to visualize recursive function which can be useful for academic purpose as well as debugging. It generates animation and draws the recursion tree.
- 200+ downloads from pypi

LeetCode Questions Scraper

- A scraper written in Python to scrape algorithmic problems from leetcode.com and save as HTML and epub format.

Ballot Paper Counting System

- A computer vision-based project to analyze ballot paper(Nepal), count votes and display the result. The aim of the project is to make counting votes from ballot paper more efficient.

Codeforce Scraper

- A simple scraping utility is written in Python to scrape contests of code forces, a competitive programming site and save it as pdf for offline use.

The Sign Language Platform

- Implementation of American Sign Language using computer vision and machine learning(CNN)
Translates sign language to text and text to speech

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Digitized Info Wall

- A website for an academic institution that allows the creation of the group, chat, sharing news and announcements built using HTML, CSS, PHP, MYSQL

Staff and Student Management Software

- Software to manage records of staff and students suitable for institutions built using QT and Sqlite.

Skills

Python	●	●	●	●	●	
Django	●	●	●	●	●	
SQL	●	●	●	●	●	
Regular Expressions	●	●	●	●	●	
C	●	●	●	●	●	
Git	●	●	●	●	●	
Flask	●	●	●	●	●	
C++	●	●	●	●	●	
Algorithms	●	●	●	●	●	
Web Scraping	●	●	●	●	●	
PHP	●	●	●	●	●	

Achievements

- Winner of NCE Yatra 3.0 2019 Coding Competition
- Ranked 8th among 25K+ participants in an online CPP contest hosted by Geeks for Geeks.
- Ranked 3rd in Hackerrank Contest Leaderboard from Nepal
- Ranked 7th in Nepali Samaj National Programming Contest

Certifications

- IBM: Python for Applied Data Science
- Geeks for Geeks: Fork CPP
- Lynda.com: C++ Standard Template Library
- Pluralsight: Beautiful C++ STL Algorithms
- Datacamp: Python Programming Track

Participations

- NCE Yatra 3.0 Programming Contest
- Geeks for Geeks ForkCPP
- Nepali Samaj National Programming Contest II
- Nepali Samaj National Programing Contest I