

Aditya Karki

Kathmandu, Nepal



adityakarki728@gmail.com



[linkedin.com/in/aditya-karki-2977821ab](https://www.linkedin.com/in/aditya-karki-2977821ab)

EDUCATION

St. Xavier's College Loyola Campus, Maitighar, Kathmandu 44600

A-Level, Pure Science Jun 2018 - Aug 2020

Full Advanced Level degree in Physics (A*), Mathematics (A*), Chemistry (A), Further Mathematics (A), and Computer Science (A*)

SKILLS

Python, Javascript, CSS, HTML-5, VB.net, Java, Statistical Data Analysis, Problem Solving, Leadership

EXPERIENCES

Web Designer/Developer, Neema Academy, Pipal Bot, Mahakavi Marg, Kathmandu 44600

May 2021 - Present

- Worked with the front-end web development team and improved the visual quality of content
- Proof read and suggested improvements to written web-content related to secondary-level Mathematics

Project Head and Senior Content Creator, BloomED, Kathmandu 44600

Jan 2021 - Present

- Trained interns in a computing environment including MS suite, LaTeX, and Python
- Prepared high-school level online-courses based on Nepal curriculum, which covers Mathematics, Computer Science, Optional Mathematics, and Science
- Hosted Bi-weekly webinars with guests from colleges like Cornell, NYU, MIT, Colby, Smiths, and Penn State
- Built starter level Olympiad preparation courses working in the Competitive Mathematics project

Founder and President, Math World Nepal, Kathmandu 44600

Dec 2020 - Present

- Collected 37 students from all over Nepal who are passionate about Mathematics, Coding, Graphics Design, and Public Relations
- Built six intellectual teams: Research, Content, Public Relations, Graphics, Technical, and Board
- Reviewed all the final contents of the content team
- Designed the Math World's website
- Conducted educational webinars from Olympiad finalists, university students, and professors
- Prepared Math animations using Manim library
- Tutored at Bloom Nepal School under the rural-tutoring venture of Math World Nepal

Independent Researcher, Self-employed

Jul 2020 – Oct 2020

- Used Hypothesis testing to backup the observations on Homework assessment and exam performance post-pandemic in Nepal
- Identified that Nepalese people have a biased opinion on the impact of COVID-19 at the level of Mathematics in Nepal.

CERTIFICATIONS

Data Science Math Skills by Duke University, Coursera, Issued Nov 2021

https://www.credly.com/badges/bcdc67ca-daa1-4ccb-80b1-0d023abe1b51?source=linked_in_profile

Learn JavaScript: Full-Stack from Scratch, Udemy, Issued Sep 2021

<https://www.udemy.com/certificate/UC-0ed78b88-852d-40d8-a97b-4cb8836a22ab/>

Machine Learning by Stanford University, Coursera, Issued Sep 2021

<https://www.coursera.org/account/accomplishments/certificate/F47NKM5HBSAF>

AWARDS

International Youth Math Challenge 2019 (Gold Honor), December 2019

The honor was awarded for all finalists who scored within top-10% internationally

4th National Physics-Math Olympiad (Creative Solution and Runner Up), February 2020

The competition was held as part of MechTrix 2020: 11th National Mechanical Engineering Expo

National Olympiad in Informatics (4th position), August 2020

The competition held as part of Nepalese team selection for the International Olympiad in Informatics

1st Rato Bangala Math League (Runner Up), August 2019

It was a national level Math competition where questions followed syllabus of International Math Olympiad

6th SXC Mini-Marathon (Runner Up), December 2019

In this regional-level event, I ran a personal best of 43 minutes and 22 seconds for the 11.1 km distance

ADDITIONAL

Language competencies

Nepali (native), English (fluent), Hindi

Projects

UJane: A voice assistant powered by Machine Learning that helps students navigate their best-fit by giving information about American universities on the basis of various attributes like rankings, student-life, academics, and safety. <https://github.com/KarkiAdit/UJane.git>

ChatAK: A chatbot powered by Machine Learning that helps users understand Aditya Karki (me) as a person by answering their personal questions. <https://github.com/KarkiAdit/ChatAK.git>

AlgoTutor: A desktop application that teaches implementation of standard algorithms of data structures like Stack, Queue, and Linked List. <https://github.com/KarkiAdit/AlgoTutor.git>

Hobbies and interests

Vlogging, Video Editing, Travelling, Dancing, Running, Cricket, Environmental Advocacy, Free Writing, Coding