Aditya Karki

Kathmandu, Nepal

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EDUCATION

St. Xavier's College Loyola Campus (June 2018 to August 2020), Maitighar, Kathmandu 44600

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

Occidental Public School (April 2015 to April 2018), Anamnagar, Kathmandu 44600

Secondary schooling

SKILLS

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

LEADERSHIP

Founder, President, and Web Developer (January 2021 to Present), Math World Nepal, Kathmandu 44600
- 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
- Tutored at Bloom Nepal School under the rural-tutoring venture of Math World Nepal

Founder, President, and Calculus Team Head (September 2018 to August 2020), St. Xavier's College Loyola Campus, Maitighar, Kathmandu 44600
- Built an intellectual group of four teams: Algebra team, Combinatorics team, Geometry team, and Calculus team
- Held collective research and wrote articles to be published in college journal
- Groomed juniors to participate at Math Olympiads
- Conducted national Level SXC Math League and intra-departmental Math Mania

WORK EXPERIENCES

Web Designer/Developer (May 2021 to Present), Neema Academy, Pipal Bot, Mahakavi Marg, Kathmandu 44600
- 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 (January 2021 to Present), BloomED, Kathmandu 44600
- 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

COMMUNITY SERVICE

City Environment Volunteer (October 2018 to Present), Clean Energy Nepal, Pipal Bot, Kathmandu 44600
https://www.facebook.com/CENepal

- Worked for BaBa program, where nature clubs are established at schools in Kathmandu valley and environmental activities like Plastic collection and recycling, community cleanliness, and plantation activities are conducted
- Designed and implemented Environmental Mass Education and Awareness campaigns
- Participated in air conservation workshops and seminars of CEN's executive team

CERTIFICATIONS

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

https://www.coursera.org/account/accomplishments/certificate/2DTG5JW8V6V4

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, Isssued 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 was 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 national-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