

AADITYA SURYA

ASPIRING COMPUTER SCIENTIST

RESUME

I am currently a freshman at USC studying as a Computer Science major and potentially an Economics minor.

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DIVERSITY

Languages Spoken Countries Studied In

- | | |
|-----------------------------|--------------|
| - English (Native) | - India |
| - Hindi (Native) | - Mozambique |
| - French (Intermediate) | - Lesotho |
| - Urdu (Fluent) | - Malawi |
| - Bhojpuri (Can Understand) | - Nepal |
| - Maithili (Can Understand) | |

ACADEMIC EDUCATION

LINCOLN SCHOOL NEPAL High School Diploma

- Graduating Lincoln School in May 2022. As of now my I have a GPA of 3.95 unweighted.
- Participated in 9 Advanced Placement Courses
- Taught AP Calculus AB to students as a teacher assistant
- Created and Headed "Project Impact" a local community service group.

UC BERKELEY

- Marketing Analytics: Marketing Measurement Strategy

MICROSOFT

- DAT208x: Introduction to Python for Data Science

HARVARD UNIVERSITY

- PH125.1x: Data Science: R Basics

COLUMBIA UNIVERSITY

Pre College Programs:

- Big Data and Machine Learning and their Real World Applications
- Economics, Entrepreneurship, and Social Justice

UNIVERSITY OF SOUTHERN CALIFORNIA

- Currently studying for a Bachelor of Computer Science

PROGRAMMING LANGUAGES

●●●●● Python Programming

●●●●● R

●●●●● HTML + CSS + JS

●●●●● Swift

●●●●● Objective C and C

SELECT ACHIEVEMENTS

HEART DISEASE RESEARCH

- Predicted Heart Disease using 14 biometric attributes
- Used 7 Machine Learning Models on Python and an Ensemble Model
- Published on Arxiv and under review on the Journal of Emerging Investigators.
- <https://arxiv.org/abs/2111.08667> as "Machine Learning and Ensemble Approach Onto Predicting Heart Disease"

DEVELOPED AN APPLICATION FOR COVID DATA

XCode and Python Web Scraping

- Used XCode and Python Webscraping to create an iOS mobile application that presented data from renowned local sources in Nepal (Ministry of Health & Population) to the public.
- Had a real-time updating map with local data with a 30 second refresh rate.
- Created an Instagram Page with over 1000 followers as marketing for the app and to spread more awareness. @covid19.np

INTERNEED UNDER A BOARD MEMBER FOR NEPAL'S NATIONAL PLANNING COMMISSION AS A RESEARCH ASSISTANT

- Wrote a synopsis regarding "Energy Transition Pathways for the 2030 Agenda, SDG 7 Roadmap for Nepal"
- Wrote a report on the progress of Nepal's National Pride Project's progress specifically in the irrigation sector.
- Conducted a comparative study of Nepal's hydropower plans with Indian and Argentinian hydropower programs to assist in finding further gaps in Nepal's hydropower program and infrastructure.

SMALL BUSINESS

- Worked as the head and IT specialist for a small business that sold masks to fundraise for COVID-19.
- Developed website for the business and ran a 45 day marketing campaign on Facebook, Instagram, and in person.

MUN

- Junior Science College Model United Nations 2015 (Security Council Delegate)Dubai International Academy MUN 2016 (GA3)
- Montessori MUN Rome 2017 (Ambassador of Delegation of France and Security Council Member)
- Spoke at FAO Headquarters in Rome as an outstanding delegate
- Served as a Junior Chair in the Political Committee (BMUN Malawi)
- Won the best delegate at LEMUN (Netherlands 2018)
- Got a chairing opportunity against applicants from across the world at BEIMUN in 2020 (Could not attend due to COVID-
- Won outstanding delegate at COPERARI MUN in the ECOFIN Committee as the delegate of the USA.
- Deputy Secretary-General of IMMUN 2020 conference (held online due to COVID 19)
- Won best delegate at CHEMUN 2021
- Organized MUN conference at my school

SWIMMING

- 13 School Records
- 2 South Asian Inter-Scholastic Association Swimming Championship Records
- 3 Malawian National Records
- 2 International Appearances and 7 National Appearances in 3 countries

SERVICE

- Ran a series of trips where I taught children subjects including math, science, English, menstruation, water safety, computer science, and sports psychology.

- Conducted these trips in both Malawi and Nepal.

- Built biogas digestion chambers in the Chitwan region of Nepal to promote sustainable development.

- Replaced all single-use plastic sold in our school with reusable items using fundraised money-

- Ran an initiative to provide menstrual products across campus in every bathroom, and an educational program regarding Women's health.

- Created football grounds and raised money to donate water safety materials (life jackets, throwing bags, etc.) in the Theuwatar region of Nepal.