

Sambridhi Deo

Computer science, Technology, and Physics enthusiast

EDUCATION

Caldwell University

August 2022 - 2026(Anticipated)

Bachelor of Science in Computer science and Mathematics
Honors Program

Hetauda School of Management Secondary

School-Grade 11 and 12

August 2019- December 2021

Received full scholarship

GPA: (3.53/4.00) | Rank- Top 5%(out of 600 students)

Navodaya Shishu Sadan English Secondary School

August 20190 - December 2021

GPA: (3.6/4.0) | Rank- Top 5%(out of 130 students)

ELECTIVE COURSES

Introduction to Aerospace engineering: Astronautics and human spaceflight-MITx(Edx)

CS50's Introduction to programming with Python

Introduction to Python(Udacity)

Type 2 Diabetes Reversal: Fact of Fiction(MOOC)

SKILLS

Operating systems: Windows

Graphics/Software: Filmora Pro, Canva Pro, Figma, Alice

Computer languages: Python, JAVA

Computer skills: MS Office, Google Workspace

Soft skills: Public speaking, Drawing, leadership,
Time management, research, Social media
management, digital marketing, Communication skills

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EXPERIENCE

Initiatives for girls in Physics(IGP)

Executive head(2021-2022)

Organized free winter school on astronomy, a GI-PHY video contest, and a talk show with Nobel Laureates and collaborated with organizations such as Nepal Astronomical society(NASO), Women In Astronomy Nepal(WIAN), etc, Wrote an article on "New super-resolution microscopy method approaches the atomic scale"

President (Aug. 2022-present)

Promoted IGP to IGPTECH(Initiatives for Girls in Physics and Tech)

Scheduled a talk show with Sanjana Paul, a researcher at MIT senseable lab and worker at NASA(Sept 16, 2022)

Collaborated with schools for the physical session for specially-abled children- Expected first physical session on Sept 18, 2022

Launched :

STEM Bites-a playlist of videos about STEM fields

IGPTECH Daily dose of science- science facts, quotes, news, and other content(posted daily on our social media handles)

IGPTECH science gazette- Monthly Newsletter compiling articles and research on many STEM field

Laboratory of Institute of Oceanic and Environmental Chemical Engineering, Zhejiang University of Technology - Researcher(May. -Nov,2020)

Researched for 6 months in a project entitled, "Investigation of Electroactive Shape Polymer and", presented a poster in the 4th Young Scientist Summit-2020

Forthbrian Machine learning engineering Program-

Student of Prof. Andrew Ng(Oct. -Feb. 2023)

Makwanpur Sahakari Hospital-Volunteer(Feb.-May,2020)

Sought blood donors, Interacted with patients and families, Assisted in analyzing data, and Responded to emergency calls during COVID-19

The Knowledge Society(TKS)- Participant of the 2021 cohort(sept,2021-june,2023)

Researched how biosensors could be created for Bipolar disorder patients and how an artificial pancreas model could be made for Diabetic Patients as a part of a project to receive 5000\$ scholarship for 10-month-long workshops

Will be working on Blockchain and crypto, Artificial Intelligence, Human-Brain interaction, Space Technologies , etc as part of the project

Code in Alice, Carnegie Melon University Qatar- Participant in Summer school(July.-Aug,2022)

Developed an interactive game as a final project through Alice

Rise of youth global community- Officer II(July.-December 2021)

Raised \$3000 for a patient with a kidney malfunctioning, Raised
NPR 10,000 for an Autism school in Nepal

AWARDS AND ACHIEVEMENTS

Glocal's 20under20 2022 (Aug.2022)

Nominated for NASO Women in science award under the student
category(Sept. 2022)

Top 50 in 8th National Astronomy Olympiad 2021

Artwork nominated for shin Han artwork contest which is a
global art postcard contest award (Among 400000+ artists)- *July
2020*

Winner of Asia's young talent award for projects I have done
-RULA Awards(*Aug. 2021*)

Winner to present a speech on SDG week by IOM Nepal in front
of the IOM chief of mission, UNDP resident representative,
ministries of education, science, and technology, UN residents,
and the government of Nepal(*Sept. 2020*)

Winner in a public speaking contest organized by Nobel youth
international MUN among 250+candidates from 25 different
countries(*Sept. 2020*)

Selected as top 10 girls nationally for the fellowship on civic
health and sexual education for the project "*I can lead*" by the We
for change organization (*Aug. 2021*)

First position in national level oratory contest organized by CIAA
Nepal-2019 First position in national level debating competition
organized by GRE Nepal-2020

First position in provincial level oratory contest organized by
National youth council-2020

MOST hardworking student award by Navodaya Shishu Sadan
-2019

Languages

Nepali - Native

English - Professional working proficiency

Hindi - Limited Proficiency

REFERENCES

Nischal Baniya, a Research Scientist at Zhejiang University of
science and technology and a Junior researcher at NASA
solar system exploration, Co-founder of Bagmati UNESCO
Club

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