



# ADIT PRASAD LOHANI

Academic Captain and  
Deputy School Captain



Phone  
+9779851037501



Email  
lohaniadit4133@gmail.com



linkedin  
<https://www.linkedin.com/in/adit-lohani/>



website  
[www.adit.com.np](http://www.adit.com.np)



facebook  
<https://www.facebook.com/adit.lohani/>

## + SUMMARY

Currently a student studying A-Levels with the combination of PCFME (Physics(9702), Chemistry(9701), Further Mathematics(9231), Mathematics(9709) and English Language(9093). Highly ambitious and motivated for my career, I have started taking courses related to Electrical and Electronics Engineering. Learning and exhibiting CAD and programming skills through the projects. Looking to leverage my knowledge and experience into a role as an Electrical Engineer.

## + AWARDS

### National Hero at Nepal Junior Science Olympiad

STEM Nepal, STAN / 2021 / Kathmandu

National Hero at Nepal Junior Science Olympiad, Ranked 3rd Nation-wide. Declared by STAN, STEM Nepal

### 1st(District Mathematics Olympiad(DMO)2021),3rd(DMO2022) 28th Nation wide(NMO2022 ;Selection for IMO

Mathematics Association of Nepal / 2022

Secured 1st position at (District Mathematics Olympiad(DMO)2021),3rd position at (DMO2022) ranked 28th Nation wide(NMO2022 ;Selection for IMO

### Principal's Merit List, Excellent Academic Performance

Budhanilkantha School / 2022

Selected in the Principal's Merit List, Excellent Academic Performance 2times in 2019, (3/3) times in 2020, (2/2) times in 2021, (3/3) times in 2022

### Selected for International Chemistry Olympiad 2022

STEM Foundation Nepal / 2022

Selected for the International Chemistry Olympiad as I was ranked 6th all over Nepal in the prestigious Nepal Chemistry Olympiad

## + SKILLS

- Autodesk Fusion 360 ●●●●●
- python ●●●●●
- AUTOCAD 2D & 3D ●●●●●
- Adobe Photoshop ●●●●●
- HTML ●●●●●
- Leadership ●●●●●
- Microsoft PowerPoint ●●●●●
- Representation/ Delegation ●●●●●
- Presentation ●●●●●
- Project Management ●●●●●

## + LANGUAGE

- Nepali ●●●●●
- English ●●●●●
- Hindi ●●●●●
- urdu ●●●●●

## + REFERENCES

### Birendra Kumar Mallik

Budhanilkantha School / Senior Teacher

+9779841389866

[mallikbirendra@bnks.edu.np](mailto:mallikbirendra@bnks.edu.np)

## Honourable Mention, Best Delegate

IIMUN, Budhanilkantha School, Novus MUN

Received Honourable Mention in (IIMUN2.0), Best Delegate 2 times consecutively in (BNKS MUN 2022,2021) and, NOVUS MUN.

## Vijay Kumar Adhikari

Budhanilkantha School / Senior Teacher

+9779851091398

vkadhikari@bnks.edu.np

## Shyam Thapa

Budhanilkantha School / Teacher

+9779841869875

thapashyam@bnks.edu.np

## + EDUCATION

### CAIE A-Levels PCF, SEE, NEB

Budhanilkantha School / Kathmandu / May, 2016 - Present  
Academic Captain and Deputy School Captain (2021-2022)

SEE GPA: 3.95

8x Principal Merit List

Ranked in top 5.



### class 2 - class 5, NEB

New Summit Higher Secondary School / Kathmandu / May, 2012

## + WORK EXPERIENCE

### Intern at electronics and communication department

Avenues Khabar Pvt Ltd / Kathmandu / November, 2021 - March, 2022

5 hours per week, 18 hours per year.



### Educator, Health worker, volunteer

Om Nagar Samaj / Tokha, Nepal / May, 2021 - January, 2022

### Intern at the Operations Department

Nepal Bangladesh Bank / Chabahill, Nepal / November, 2020 - April, 2021



### Team Leader

Knowledge Park, Budhanilkantha School / Budhanilkantha School / March, 2022 - Present



### Academic Captain & Deputy School Captain

Budhanilkantha School / Budhanilkantha School / April, 2022 - Present



### Executive member, web developer, question maker

Math Club, Budhanilkantha School / Budhanilkantha School / April, 2022 - Present



### Mental Health Counsellor and Project Manager

The Curae Organization / India / January, 2022 - August, 2022



### Outreach Coordinator

ETWA / Vietnam / January, 2022 - December, 2022



## Mathematics Coordinator

Squad of Physics, Astronomy and Mathematics Learner /  
Little Angels School / January, 2022 - Present

## Mathematics Olympiad Team

OlympEd / Pulchowk / January, 2022 - August, 2022

## + TRAINING/CERTIFICATION

### Introduction to Electronics

Georgia Institute of Technology / 2022



### Physics 102 - Electric Charges and Fields

Rice University / 2022



### Introduction to Engineering Mechanics

Georgia Institute of Technology / 2022



### Matrix Algebra for Engineers

The Hong Kong University of Science and Technology / 2022



### Physics 102 - Electric Potential and DC Circuits

Rice University / 2022



### Introduction to Calculus

University of Sydney / 2022



### Electrodynamics: An Introduction

Korea Advanced Institute of Science and Technology / 2022



### COVID-19 Training for Healthcare Workers

Stanford University / 2022



### COVID Vaccine Ambassador

The Johns Hopkins University / 2022



### Covid 19 Contact Tracing

The Johns Hopkins University / 2020



### Key considerations for SARAS-CoV-2 antigen RDT implementation

World Health Organization / 2022



### Strategies for Assisted Living Communities during COVID-19

The Johns Hopkins University / 2022



## + PROJECTS

## **Website for the Academic Council**

As being the Academic Captain, I had developed the website of the council to aid the entire students by providing notes and study materials

<https://coapbnks.github.io/index.html>

## **Personal website**

[www.adit.com.np](http://www.adit.com.np)

## **CUI based Banking model Software**

Now-a-days, people neglect 'BASIC' programming language. The most used programming languages back in the early establishments of the computer or let's say the only programming languages available than low level languages is now being neglected as it is limited and tedious to operate. But as a computer student, I have always had a will power to do something the fullest. So, I made the most out of it. In class 9 (2020) I started making a software from QBASIC. It was a challenge I took to disprove everyone that even though QBASIC is limited, it could be worth coding. So with this I made a Banking software model with qbasic. It was a CUI but I tried to add some ASCII art, icons, fonts, music and many more to this project.

<https://github.com/TotemicRook133/QbasicClass10/blob/main/intro.bas>

## **Sunflower**

Basically, a solar panel that is capable of rotating such that it can get the maximum sunlight.

Built with Servo motor in 2 orthogonal planes i.e. capable of rotating in 3d. In a nutshell, wherever the sun goes, it follows like the sunflower and, the solar panel receives the maximum sunlight.

[https://bnksedunp-my.sharepoint.com/:o:/g/personal/4133e\\_bnks\\_edu\\_np/EvSIRAR6ZPxAt633N7NSW2oBWdvTOWs](https://bnksedunp-my.sharepoint.com/:o:/g/personal/4133e_bnks_edu_np/EvSIRAR6ZPxAt633N7NSW2oBWdvTOWs)

## **Weather Station**

[https://bnksedunp-my.sharepoint.com/:o:/g/personal/4133e\\_bnks\\_edu\\_np/EvSIRAR6ZPxAt633N7NSW2oBWdvTOWs](https://bnksedunp-my.sharepoint.com/:o:/g/personal/4133e_bnks_edu_np/EvSIRAR6ZPxAt633N7NSW2oBWdvTOWs)

## **Automatic Garbage Truck**

## **Smart Irrigation**

[https://bnksedunp-my.sharepoint.com/:o:/g/personal/4133e\\_bnks\\_edu\\_np/EvSIRAR6ZPxAt633N7NSW2oBWdvTOWs](https://bnksedunp-my.sharepoint.com/:o:/g/personal/4133e_bnks_edu_np/EvSIRAR6ZPxAt633N7NSW2oBWdvTOWs)