

# Bikal Ghimire

## Prospect Aerospace Engineer

Sundarharaincha, Morang • +977-9812334083 • bikalghimire23@gmail.com

**in** @ [www.linkedin.com/in/bikal-ghimire-239b112a5](https://www.linkedin.com/in/bikal-ghimire-239b112a5)

**f** @ <https://www.facebook.com/profile.php?id=100070051764197&mibextid=ZbWKwL>

A motivated high school graduate with notable achievements at the Young Scientist Summit and Purbanchal United Nations simulation. Actively involved in organizations like JCI, 'Contribution for Nation', and NYMAT Nepal. Passionate about social progress and innovation, I'm eager to pursue aerospace engineering to make a real difference in the world.

## EXPERIENCE

### Youth TB Advocate

Morang, Nepal

*NYMAT Nepal*

Jan, 2024 - Mar, 2024

Worked as a Youth TB Advocate in a 3-month national youth campaign to combat tuberculosis (TB) in Nepal.

### Global Young Leaders MUN (GLYMUN) Ambassador

Online

*Global Young Leaders MUN*

Feb, 2024 - Present

Represent GLYMUN and foster a community of young leaders in Model UN. Facilitate networking and skill-building opportunities for MUN participants.

### Volunteer

Sunsari, Nepal

*Mayaghar Nepal*

Apr, 2019 - Jun, 2024

Helped out at Mayaghar orphanage in Nepal on weekends. Cooked meals, taught kids, and set up fun activities for the children.

## EDUCATION

### +2 Science

Morang

*Sajeelal Secondary School*

Aug, 2021 - May, 2023

### SLC

Morang

*Sajeelal Secondary School*

Mar, 2018 - Apr, 2021

## PROJECTS

### Wireless charging drone

Led a 7-member team in developing a wireless charging drone. Utilized induction technology to enable wireless charging. The drone achieves a payload capacity of 1.8kg and operates within a 1.5km transmission range.

### Automatic motor control

Created 'Automatic Motor Control', a relay-based water level management system using 555 timer IC. This project won recognition at Young Scientist Summit-2023 and earned a spot in Asia Pacific Conference of Young Scientists 2023.

## ACHIEVEMENTS

### Asia Pacific Conference of Young Scientist

Participated in the 12th Asia-Pacific Conference of Young Scientists (APCYS 2023), a prestigious international event jointly hosted by Singapore and Indonesia. Contributed as a participant, representing Nepal in this gathering of young scientific minds from across the Asia-Pacific region.

### Everest International Model United Nations

Participated in the Everest International Model United Nations (EIMUN), the largest Model UN conference in South Asia. This prestigious event brought together delegates from over 10 countries, providing a platform for international dialogue and diplomacy simulation.

## TRAINING/CERTIFICATIONS

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**Build To Solve** 2020

*Kathmandu University*

A training program conducted by Kathmandu University to develop problem solving skills among different people.

**Disaster Management Training Programme** 2019

*Nepal Government*

We were provided a training program where Nepal Army teach us different things about disaster management. We had learned to use fire extinguisher, rafting, handling earthquake safely, etc.

**Tuberculosis and Mental Health** 2024

*World Health Organization*

An e-course provided by WHO, examining the relationship between tuberculosis and mental health.

**National strategic planning for tuberculosis** 2024

*World Health Organization*

An e-course on national strategic planning for tuberculosis, ideal for students seeking insights into healthcare policy and effective disease management.

**Systematic screening for tuberculosis disease** 2024

*World Health Organization*

An e-course on systematic screening for tuberculosis disease, perfect for students eager to learn about effective screening methods and disease management strategies.

## AWARDS

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**Young Scientist Summit** Kathmandu, Nepal

*Uniglobe SS/College* 2023

I was able to gain the second position in the category 'Physics and Mathematics' of Young Scientist Summit-2023, organized by Uniglobe SS/College and Nepal polymer institute.

**School Level Chess Competition Winner** Morang, Nepal

*Sajeelal Secondary School* 2021

Won a school level chess competition organized by Sajeelal Secondary School.

**Best Strategist** Biratnagar, Nepal

*Embassy of United States in Nepal* 2024

I was able to win best strategist in Purbanchal United Nations Simulation 2024 co-organized by Embassy of United States in Nepal and Youth Thinkers Society.

**Speech Competition Wineer** Morang, Nepal

*Jci gachhiya* 2022

Awarded First Prize in the speech competition "Space Mining: A Promising Resource or a Cosmic Ethical Dilemma?" conducted by JCI Gachhiya.

## SKILLS

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Programming Language-Python, Problem solving, Analyzing, Observing and Critical thinking, Leadership skills, Communication skills

## LANGUAGE

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English, Hindi

## REFERENCES

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**Yubaraj Ghimire** - *Teaching assistant of chemistry*

Sajeelal Secondary School

+977-9842548733

ubrajghi1@gmail.com

**Dr. Rameshwar Adhikari** - *Director*

Research Center for Applied Science and Technology

+977-9841390927

nepalpolymer@yahoo.com