



# Israr Ahmad

## Remote Sensing

### My Contact

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### Co-Author Publication

#### MDPI (Remote Sensing)

<https://www.mdpi.com/2072-4292/16/5/873>

#### American Society for Photogrammetry and Remote Sensing

<https://www.ingentaconnect.com/content/asprs/pers/2023/00000089/00000008/art0007;jsessionid=2gvqg8uivxv1b.x-ic-live-02>

### Skills

- Python
- R Programming
- GEE
- Geospatial data processing and analysis
- Web-Development

### Education Background

- **Master of Engineering- (Photogrammetry and Remote Sensing)**  
LIESMARS Wuhan University- China  
2022-2024
- **Master of Business Administration (MBA)**  
Bahauddin Zakariya University- Multan, Pakistan  
2021-2022
- **Bachelor's (Statistics)**  
Bahauddin Zakariya University- Multan, Pakistan  
2017-2021

### Language

- English, Chinese, and Urdu

### About Me

Motivated statistician with a Bachelor's degree, recently completed Master's in Photogrammetry and Remote Sensing at LIESMARS, Wuhan University. Focused on integrating multi-satellite data and Machine Learning techniques for forest aboveground biomass estimation and mapping, aiming to contribute to environmental sustainability and global conservation efforts.

### Professional Experience

#### Internship

##### Thaicom Public Company Limited, Thailand

Aug 2024 - Present

##### Project: Forest Loss and Gain Detection in Northern Thailand

- Using remote sensing technologies to analyze forest changes within protected areas over five years (2020-2024), focusing on detecting deforestation.

#### Master's Thesis

LIESMARS Wuhan University- China

<http://www.lmars.whu.edu.cn/en/>

Sept 2023 - May 2024

- "Forest Aboveground Biomass Mapping Using a Multi-Sensor Remote Sensing Approach." This research utilized two validation datasets: ground samples and GEDI L4B. By employing machine learning techniques, the study produced precise AGB estimates, contributing to global climate change mitigation efforts and sustainable resource management.

#### Internship

##### Hi-Target, Guangzhou, China

May 2023

- I interned at Hi-Target, a leading provider of high-precision surveying and mapping instruments, as part of my master's degree at Wuhan University. I learned about the company's products and their applications, assisted with testing and evaluation, created marketing materials, and participated in customer demonstrations.

#### Bachelor's Remote Sensing Project

Bahauddin Zakariya University- Multan

[https://www.bzu.edu.pk/view\\_department.php?deptID=45](https://www.bzu.edu.pk/view_department.php?deptID=45)

2020 - 2021

- This work is part of my final year volunteer Remote Sensing project. The focus of my work is on Detect Crop Type using Optical Satellite Data. In Southern Punjab, Pakistan, I have collected fresh crop types data for the 2020/2021 wheat crop season.

#### Data Science Intern

Datalya - Toronto based Machine Learning Company, Canada

<https://datalya.com/>

Apr 2020 - Oct 2020

- I have worked on the preprocessing, transformation, and integration of geospatial data sourced from Stats Canada and elsewhere. Also, I built QGIS based visualization around demographic metrics of geospatial data. Additionally, I wrote technical documentation and articles as part of a content development strategy

## Business Development Manager

REMOTELY360

<https://remotely360.com/>

Aug 2018–Dec 2019

- I worked on geospatial visualization using QGIS, business development strategy and content development with focus on remote sensing topics

## Awards and Certificates

### Academic

#### Remote Sensing Workshop

LIESMARS, Wuhan University

Oct, 2023

- Attended two days workshop on Remote Sensing of Night-Time Light and its Application in Sustainable Development, and awarded with the certificate of completion

#### International Training Workshop on Beidou Technologies

BIC-CAS, Beijing

Sept, 2023

- Awarded with certificate for the member of the International Training Workshop on Beidou Technologies and Applications in the Belt and Road Countries and Regions

#### LIESMARS Open Day

LIESMARS, Wuhan University

2023

- Awarded for poster presentation with Outstanding Participant Certificate

#### International Geoinformatics Summer School

LIESMARS, Wuhan University

July, 2023

- Awarded with certificate of participation in course “Computer Vision and Digital Image Processing” and also Volunteer Certificate

#### Director Promotion Department EGSC

LIESMARS, Wuhan University

Mar, 2023 – Jan, 2024

- In English Geoscience Cafe EGSC I was responsible to arrange and promote academic sessions and tours, in one year I organized 15 academic sessions and two industrial tours

## References

All references are available on request

## Extra-Curricular

### Outstanding International Students Scholarship

Wuhan University

2023

- Awarded Wuhan University Outstanding International Students Scholarship in the year 2023 for “the First Prize in Extra-Curricular Activities”

### Wuhan University Campus Sports Competition

School of International Education, Wuhan University

Dec, 2023

- Awarded for fifth place in Men’s Double Badminton competition

### Wuhan University International Student Union (WISU)

School of International Education, Wuhan University

Sept, 2023 – July, 2024

- Member of sports department of WISU, organized sports events and different activities for International Students of Wuhan University

### WUDA Challenging Trophy

School of International Education, Wuhan University

Mar, 2023

- Participated in cricket tournament organized by SIE-WISU in which 10 cricket teams of Wuhan take part and our team won runner up trophy

## English Proficiency

### International English Language Testing System (IELTS)

August 25, 2024

- **Overall:** 6.5
- **Listening:** 6.0
- **Reading:** 6.5
- **Writing:** 6.0
- **Speaking:** 6.5



### Duolingo English Test

[certs.duolingo.com/8f11be2d91ae5a5a823778651f182289](https://certs.duolingo.com/8f11be2d91ae5a5a823778651f182289)

May 10, 2024

- **Overall:** 120
- **Literacy:** 125
- **Comprehension:** 120
- **Conversation:** 110
- **Production:** 105

## Chinese Proficiency

### Hanyu Shuiping Kaoshi (HSK)

#### HSK Level 3

May 19, 2024

- **Overall:** 205/300
- **Listening:** 85/100
- **Reading:** 47/100
- **Writing:** 73/100
- **Speaking:** 63/100