Yogender Yadav

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Summary

Believe in yourself and work hard ...

Experience

Visiting Researcher
UNSW
Nov 2023 - Present (2 months)
Visiting Researcher at GRID, School of Built Environment, UNSW Sydney

Team Member
CIPA Heritage Documentation Emerging Professionals
Nov 2023 - Present (2 months)
- Team Member of CIPA Heritage Documentation Emerging Professionals

Ph.D. Researcher
Politecnico di Torino
Nov 2022 - Present (1 year 2 months)
- Ph.D. Researcher in Urban and Regional Development at Interuniversity Department of Regional and Urban Studies and Planning (DIST), Politecnico di Torino
- Working on the Implementation of Digital Twins for smart cities

Website Administrator
ISPRS Students Consortium
Apr 2022 - Present (1 year 9 months)
- Elected as Board of Directors in ISPRS Student Consortium (ISPRS SC) for the term 2022-26 for the position of website administrator
- The main purpose of the ISPRS SC is to link students, young researchers and professionals in different countries, who are interested in photogrammetry, remote sensing and spatial information sciences. ISPRS SC also aims to provide a platform for exchange of information and to organize student-specific events and other activities that integrate students and the youth more effectively into ISPRS activities.

Research Internship
Indian Institute of Technology, Roorkee
May 2023 - Aug 2023 (4 months)

- Worked on the creation of digital twins with UAV- sensor based datasets and their update with respect to time under guidance of Professor Kamal Jain, Geomatics Group, Department of Civil Engineering , IIT Roorkee, India

Visiting Research Scholar (ERASMUS+)

Technical University in Zvolen, Slovakia

Nov 2021 - Apr 2022 (6 months)

- Worked on research project "Applications of Unmanned Aerial Vehicles (UAV) photogrammetry and iPhone LiDAR for the forestry applications" under the supervision of Dr. Martin Mokros, Faculty of Forestry, TU Zvolen
- Data acquisition and processing with iPhone LiDAR to generate Canopy Height Models in combination with quadcopter UAV photogrammetry and fixed-wing UAV photogrammetry datasets

Student Representative, Faculty Council

Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente

Jan 2021 - Dec 2021 (1 year)

Since 1 st January 2010 ITC Faculty Council (FC) is the official medium to represent staff and student interests. Comprising an equal number of staff and student representatives, the FC is the faculty's highest participation body.

Remote Internship

Azercosmos

Aug 2021 - Sep 2021 (2 months)

Worked on project "Deforestation analysis of Tartar district in Azerbaijan with NDVI and random forest approach" with Department of Earth Observation, Azercosmos

Assistant Manager (Logistics)

Zomato

Jun 2019 - Jul 2020 (1 year 2 months)

- Lead the B2B business team for North India region during April'20 - July'20
- Managed the logistics operations in 20+ cities

Secretary, Hiking and Trekking Club

Jul 2018 - May 2019 (11 months)

- Convenor of the Hiking and Trekking Club for the academic session 2018-19
- Part of the organizing committee of the annual cultural fest " Confluence'19", the second largest cultural fest in North India

Event Coordinator, TECHSPARDHA'18

Oct 2018 - Oct 2018 (1 month)

- Organised the event "Town Planning" in Techspardha'18, the annual technical fest of NIT Kurukshetra

Research Internship

Indian Institute of Technology, Guwahati

May 2018 - Jun 2018 (2 months)

Accuracy assessment of DGPS was carried out by considering 10 points within IITG campus and then calibration with the total station was done.

Research Internship

Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)

Dec 2017 - Jan 2018 (2 months)

The assessment of the impact of GCP's in Co-registration of point clouds obtained from Close Range Photogrammetry (CRP) and Terrestrial Laser Scanner (TLS) by point-pair selection methodology and Iterative closet point (ICP) algorithm based Automatic co-registration method.

Research Internship

Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)

May 2017 - Jul 2017 (3 months)

3D point Cloud is generated by Close Range Photogrammetry and Terrestrial Laser Scanning techniques and geotagged with reference to the Ground Control Points obtained through DGPS. Further,both TLS and CRP points are compared by segmenting the planar and curved surfaces.

Education

Politecnico di Torino

Doctor of Philosophy - PhD, Urban and Regional Development

Nov 2022 - Oct 2025

Faculty of Geo-Information Science and Earth Observation (ITC) of the University of Twente

Master of Science - M.Sc.., Geoinformation Science and Earth Observation with specialization in Geoinformatics

Aug 2020 - Jul 2022

- Specialization: Geoinformatics
- Thesis: "Hybrid Adjustment of UAS based LiDAR and camera data" under the supervision of Dr. Bashar Alsadik and Dr. Francesco Nex along with Dr. Fabio Remondino as scientific advisor

National Institute of Technology Kurukshetra

Bachelor of Technology (B. Tech.), Civil Engineering

2015 - 2019

Bachelor of Technology in Civil Engineering from NIT Kurukshetra (India) - Institution of National Importance

Century Model Ser. Sec. School ,Rewari, Haryana, India

Secondary and Senior Secondary education, Physics ,Chemistry, Mathematics

2009 - 2014
Among the top 0.1 percentile students of the State Board of Education, Haryana, India

Licenses & Certifications

Sustainable develpoment of emerging geotechnics - Indian Institute of Technology, Kanpur

Close Range Photogrammetry and Terrestrial Laser Scanning - Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)
IIRS20172833486

IELTS - International Development Program (IDP)
Issued Aug 2019 - Expires Aug 2021
TRF no: 191A001044TY009A

Hyperspectral Remote Sensing and its applications - Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)
IIRS20194167921

Geoprocessing using Python - Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)
IIRS202173601378

Getting started with Dutch Level A1 - University of Twente

Skills

WordPress • PHP • Photogrammetry • LiDAR • Python (Programming Language) • 3D Modeling • Matlab • C • AutoCAD • fusion 360

Honors & Awards

ITC Excellence Scholarship - University of Twente, Enschede
Aug 2020
Awarded with ITC Excellence Scholarship worth €40,000 for two years to pursue Masters (MS) in Geoinformation Science and Earth Observation

Govt. of Haryana (India) Scholarship - Government of Haryana (India)
Mar 2012
Awarded with Scholarship worth INR 10,000 and Excellence Certificate for being in top 0.1 percentile students who passed the secondary examination