

# CURRICULUM VITAE (CV)

**NAME:** SAKAR DHAKAL  
**NATIONALITY:** Nepali  
**GENDER:** Male  
**PERMANENT ADDRESS:** Bharatpur-7, Chitwan  
**EMAIL:** sakardhakal123@gmail.com



## Education

Valmiki Shiksha Sadan Higher Secondary School

2014 District Level Examination (88%)

2016 Secondary Education (3.70/4.0 GPA)

2016-2018 Higher Secondary Education in Science with (3.36/4.0 CGPA)

Tribhuvan University, Institute of Forestry, Hetauda

2018-2023 Bachelor in Forestry with 74.83%

## Skills

- ✓ ArcGIS, ArcGIS Pro and QGIS
- ✓ R programming, JavaScript API, Python
- ✓ MS Office Suites, SPSS, SQL
- ✓ ENVI and ERDAS Imagine
- ✓ MATLAB
- ✓ AutoCAD 2D/3D

## Experiences

2024 (Jan 6 – Current), URISA, United States

GISCorps Volunteer

- Online contribution in human-environment concerns through maps submission
- Actively engaging in local/global issues
- Usage of varied remote sensing products including OpenStreetMap

2023 Nov 11, Student's Union, Institute of Forestry

Training Facilitator- Basic GIS Training Program

- Worked as the program organizer
- Class presentation to 50 junior students
- Basic GIS terminologies, cartography and geoprocessing tools lessons taught

2023 July 3, Division Forest Office, Surkhet

Event Volunteer – Application of UAV/Drone in Forestry

- Managed the technical parts of the program
- Involved in aerial imagery collection of forest species
- Distribution of foods and coordination with the guests

2023 (Jan 1 – June 30), Forest and Research Training Center, Birendranagar

Research-Internship

- Research on project entitled: “Time-series analysis of forest disturbance and recovery trends in Karnali province using LandTrendr algorithm”
- Use of JavaScript API and R for analysis and ArcGIS for cartography
- Database management and handling of the office documents
- Field activities relating to forest management practices
- Presentation of the final report to the forest officials

2022 (July 7 – Oct 15), Division Forest Office, Chitwan and Rautahat

Forest Technician – Operational Plan for Community-based Forest Management project

- Forest species inventory and data collection through surveys
- Data analysis using R and MS Office Suites
- Official presentation among the stakeholders

## Trainings, Courses and Workshops

- Attended advanced webinar online training of Applied Remote Sensing Training (ARSET), NASA program entitled “*Assessing the Impacts of Fires on Watershed Health*” and “*Monitoring Water Quality of Inland Lakes using Remote Sensing*”, “*SAR for Detecting and Monitoring Floods, Sea Ice, and Subsidence from Groundwater Extraction*” and intermediate webinars entitled “*Satellite Data for Air Quality Environmental Justice and Equity Applications*”, “*Transforming Earth Observation (EO) Data into Building Infrastructure Data Sets for Disaster Risk Modeling*” and “*Building Climate Risk Assessments from Local Vulnerability and Exposure*”.
- Attended virtually-held 2023 PACE Applications Workshop provided by *NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) application program*.
- Completed online non-credited online GIS Specialization Courses “*Fundamentals of GIS*”, “*GIS Data Formats, Design and Quality*”, “*Geospatial and Environmental Analysis*”, “*Imagery, Automation and Applications*” authorized by University of California, Davis partnered by esri and offered through Coursera.
- Completed non-credited online courses “*Data Analysis with R Programming*” authorized by Google and “*R programming*” authorized by Johns Hopkins University both offered through Coursera.
- Attended two 6-week ESRI Training MOOC entitled “*Spatial Data Science: The New Frontier in Analytics*” and “*Imagery in Action*”, “*GIS for Climate Action*” and several other web courses such as “*GIS Basics*”, “*Getting Started with GIS*”, “*Building the Foundation for Green Infrastructure Planning*”, “*Use a Map for Classroom Instruction*”, “*Basics of JavaScript Web Apps*” and “*Python for Everyone*”.
- Completed the online course entitled “*Nature-based Solutions for Disaster and Climate Resilience*” developed by the United Nations Environment Programme (UNEP) and the Partnership for Environment and Disaster Risk Reduction (PEDRR) experts with support from the European Union, in collaboration with the SDG Academy and the EdX Platform.
- Completed the e-course titled “*Climate Change Negotiations: Leveraging Local Experience in Support of Climate Change Negotiations*” developed by the Local Climate Adaptive Living (LoCAL) facility, hosted by the UN Capital Development Fund (UNCDF) in collaboration with United Nations Institute for Training and Research (UNITAR).

## Publications

- Dhakal S., Aryal K., Adhikari H., Kalwar O.P., Sharma S., 2024. Time-series analysis of forest disturbance and recovery trends of Karnali province using LandTrendr algorithm. Under final peer review.
- Sharma S., Acharya K., Adhikari H., Aryal K., Dhakal S., 2024. Effects of forest management on forest structure and diversity: A case study of Surkhet district, Nepal. Under peer review
- Verma A., Dhakal S., 2024. Assessment of land cover change and its impact on changes in soil erosion risk in Karnali province. Under peer review.

## English Proficiency

- IELTS Academic: Overall 7.0 (Listening 8.5, Reading 6.5, Writing 6.0, Speaking 6.5)

## My Declares

- I assure you that given a chance to work with your organization/company/department, I will give my best with sincerity and dedication.

## Contact References

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