

# Sadhuram Lamichhane

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## Education

**University of Salzburg** Austria  
Master of Science |Geographical Information Science & Systems 2022

- Grade: **Distinction (Outstanding Student Honor)**
- Course Highlights: Geo – DBMS, Open GIS and Distributed GI Infrastructures, Spatial Analysis, Visualization and Cartography, Remote Sensing
- Thesis: Assessment of urban sprawl and its impact in Bharatpur Metropolitan City

**Institute of Engineering Pashchimanchal Campus** Pokhara, Nepal  
Bachelor in Engineering | Geomatics 2017

- Percentage: **76.25%**
- Course Highlights: C, C++, Surveying, Fundamental of GIS, Signals and Transforms, Cadastre, Fundamentals of Geodesy, Remote Sensing, Environmental Modelling
- Project: Flood Simulation in Pokhara Valley due to Seti River

**Institute of Engineering Pashchimanchal Campus** Pokhara, Nepal  
Diploma in Engineering | Electronics 2012

- Percentage: **79.39%**
- Course Highlights: Electrical Engineering, Electrical Measurement, Electronics, Digital Electronics, Communication System, Microprocessors, Instrumentation and Control

**Shree Janashakti Secondary School** Gorkha, Nepal  
Percentage: **73.25%** 2009

## Teaching Experience

**Universal Engineering & Science College, Department of Civil Engineering** Lalitpur, Nepal  
*Head of Department* December 2022 - Present  
*Lecturer* April 2021  
*Assistant Lecturer, Year Coordinator* November 2018  
*Teaching Assistant* December 2017

- Expertise in teaching both the theoretical concepts and practical skills related to Engineering Surveying and Geographic Information Systems (GIS).
- Worked cooperatively and communicated frequently with other teachers, administrators, and parents to help students reach learning objectives.
- Supported student teachers by mentoring them on classroom management, lesson planning, and activity organization.

**Lalitpur Engineering College** Lalitpur, Nepal  
*Visting Lecturer* May 2023 - Present  
• Subject: Surveying I

**Citizen College** Lalitpur, Nepal  
*Visting Lecturer* December 2022 – March 2023  
• Subject: Geographical Information System

**Janakpur Engineering College** Lalitpur, Nepal  
*Visting Lecturer* Jan. 2018 – Sept. 2018  
• Subject: Numerical Methods

**Aryan School of Engineering and Management***Visiting Lecturer*

- Subject: Engineering Survey I

Lalitpur, Nepal  
Nov. 2022 – March. 2022

**Himalay Institute of Technology***Visiting Lecturer*

- Subject: Fundamental of Surveying, Cadastral Surveying, GIS

Lalitpur, Nepal  
Dec. 2017 – August 2022

**Institute of Engineering, Pashchimanchal Campus***Supervisor*

- Supervising the MS thesis of MSc in Geospatial Engineering Students

Pokhara, Nepal  
June 2023 – Present

**Consulting Work Experience****Vidhyut Utpadan Company Limited (VUCL)***GIS Trainer*

- Conducted 45 hours basic and advanced level GIS Training course for Civil/Electrical/Mechanical Engineers and Geologist.
- Used Geographic Information Systems technology and equipment to produce detailed maps.
- Created effective maps, charts, and other images based on project-specific requirements.
- Worked with clients to meet specific technical specifications and solve operational concerns.

Kathmandu, Nepal  
19 May 2022 – 28 May 2022

**Government Of Nepal, Department of Roads***GIS Trainer*

- Conducted 45 hours basic and advanced level GIS Training course for Highway Engineers.
- Managed GIS databases and modified parameters for different needs.
- Collected, compiled, or integrated Geographic Information Systems (GIS) data, remote sensing data, or cartographic data for inclusion in map manuscripts.
- Presented GIS software systems and data collection methods via training courses.

Kathmandu, Nepal  
7 Feb. 2021 – 26, Feb. 2021

**Kantipur Engineering College***GIS Trainer*

- Conducted 45 hours basic and advanced level GIS Training course for undergraduate students
- Created comprehensive maps using Geographic Information Systems technology and equipment for undergraduate students
- Prepared effective maps, charts, and other visuals in accordance with their thesis requirement.

Lalitpur, Nepal  
24 Jan. 2022 – 4 Feb. 2022

**Bhimsenthapa Rural Municipality***GIS Expert*

- Prepared Terms of Reference (ToR) for consulting service for "Preparation of Web based spatial database, Cadastral Information System and Development of integrated Geographical Information System"

Gorkha, Nepal  
Oct. 2022 – July. 2023

**P.TWO Engineering Pvt. Ltd***GIS Expert*

- Prepared Detailed Topographic Map for Gandaki Province Assembly

Pokhara, Nepal  
Nov. 2019 – Dec. 2019

**S.D. Engineering Consultancy Pvt. Ltd.***GIS Expert*

- Prepared Detailed Topographic Map, Thematic maps of Project "Detail Engineering Survey, Detailed Design and Report Preparation (DPR) of: Gorkha 1 Gandaki Ga.Pa. 5 Darbung Phat Lakuribot Dalbhanjyang Road, Gorkha (16+366 Km) for Client **Department of Roads**.

Kathmandu, Nepal  
May 2021 – Aug. 2021

**National Disaster Risk Reduction and Management Authority***GIS Analyst*

Kathmandu, Nepal

May 2022 – Aug. 2022

- Prepared Multi – Hazard Maps for Municipal Disaster Resilience Framework for A Not Architecture and Architects (P.) Ltd., Lalitpur.

**Mappers Nepal Pvt. Ltd***GIS Expert*

Lalitpur, Nepal

Jan 2023 – Aug. 2023

- Prepared Land Use Zoning Map and detailed report preparation of Krishna Nagar Municipality, Laljhadi Rural Municipality, Apihimal Rural Municipality and Jorayal Rural Municipality.

**Delcon International Pvt. Ltd***GIS Expert*

Lalitpur, Nepal

Mar 2023 – Aug. 2023

- Prepared Land Use Zoning Map and detailed report preparation of Nepalgunj Sub Metropolitan City and Gokulganga Rural Municipality

**Smart City Builders Pvt. Ltd***GIS Expert*

Bara, Nepal

Dec. 2022 – Aug. 2023

- Prepared Land Use Zoning Map and detailed report preparation of Inaruwa Municipality, Bardibas Municipality and Mithila Municipality.

**Latitude Engineering Pvt. Ltd***Team Leader/GIS Expert*

Lalitpur, Nepal

July. 2023 – Sept. 2023

- Prepared Geo-spatial database and Map for Proposed Charging Station Along National Highway for Client **Nepal Electricity Authority**.

**Leadership, Training and Volunteering Experience****GIS Training for Engineering Students***GIS Trainer*

Dharan, Nepal

7 July 2021 – 16 July 2021

- Conducted as resource person organized by student union of IOE Purwanchal Campus (ERC).
- Coordinated the management of GIS datasets and changed settings to meet multiple needs for Civil/Agriculture/Electrical/Electronics/Architect undergraduate students and Applied science professional.
- Produced effective maps, charts, and other visuals in accordance with project specifications.

**GNSS Training***Participant*

Pokhara, Nepal

11 Jan. 2022 – 14 Jan. 2022

- Participated in collaborative program organized by Centre for Spatial Information Science (CSIS), The University of Tokyo (UTokyo), Japan, the International Committee on Global Navigation Satellite Systems (ICG), Center for Space Science and Geomatics Studies, Pashchimanchal Campus, Institute of Engineering, Tribhuvan University.
- Received thorough information about GPS, Galileo, Beidou, and NaVIC satellite systems, as well as RTKLIB software.

**Nepal Engineers' Association Research & Development (R&D) Committee***Member*

Lalitpur, Nepal

May 2023 – Present

- To collaborate executive committee to ensure that R&D is included into organizational plans as they are developed and prior to submission to the executive committee for approval.

## Publications

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- Lamichhane, S. (2022). AHP and GIS based land suitability analysis for built up in Bharatpur Metropolitan City, Nepal. International Journal of Innovative Science and Research Technology, 7(12). <https://doi.org/10.5281/zenodo.7525683>.
- Lamichhane, S. (2022a). DROUGHT ASSESSMENT USING REMOTE SENSING AND GIS IN NEPAL. Geo World Volume - V, Geomatics Engineering Students' Association of Nepal, V, 21–29.
- Lamichhane, S. (2022b). Agricultural Drought Assessment Using Remote Sensing and GIS in Gandaki Province, Nepal. KEC Conference 2022 "4th International Conference on Engineering and Technology," 4.

## Skills

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Programming Languages: **C, C++, JavaScript, Python**

Software: **ArcGIS, QGIS, ERDAS IMAGINE, AutoCAD**

Other Skills: **GEE, Web mapping, Communication, Leadership, Team working**

## Websites, Portfolios and Profiles

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LinkedIn: <https://www.linkedin.com/in/sadhuram-lamichhane-93277213b/>

ResearchGate: <https://www.researchgate.net/profile/Sadhuram-Lamichhane-2>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=dGo30fgAAAAJ>

## Languages

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Nepali: Native Language

English: Upper Intermediate

B2

Hindi: Upper Intermediate

B2

## References

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Prof. Dr. Amod Mani Dixit  
Chair, College Management Committee  
Universal Engineering and Science College  
Lalitpur, Nepal  
Contact Number: +977 – 9851027459  
Email: [amoddixit@gmail.com](mailto:amoddixit@gmail.com)

Asso. Prof. Er. Dr. Bhesh Raj Thapa  
Principal  
Universal Engineering and Science College  
Lalitpur, Nepal  
Contact Number: +977 – 9851144110  
Email: [bheshrajthapa@uesc.edu.np](mailto:bheshrajthapa@uesc.edu.np)

Asso. Prof. Dr. Himlal Shrestha  
Vice Principal and Coordinator of UNIGIS Program  
Kathmandu Forestry College  
Kathmandu, Nepal  
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Email: [him.shrestha@team.unigis.net](mailto:him.shrestha@team.unigis.net)

Er. Neeraj KC, Phd Scholar  
Assistant Professor  
Department of Geomatics Engineering,  
Paschimanchal Campus  
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