

Srijan Thapa

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Home: Kageshwor Manohara - 7, Bagmati Province, 44600 Kathmandu (Nepal)

EDUCATION AND TRAINING

Bachelor of Engineering in Geomatics Engineering

Kathmandu University [08/2018 – 05/2023]

Address: Dhulikhel , Bagmati Province, 6250, 45210 Dhulikhel (Nepal)

Website: <https://ku.edu.np/>

Final grade: 3.77

Number of credits: 151

Thesis: Estimation of Tropospheric Water Vapor Content from ground based GNSS observation and InSAR in Bagmati Province, Nepal.

Higher Secondary School Leaving Certificate (Grade XI & XII)

White House Secondary School [06/2016 – 04/2018]

Address: Knowledge Village, Khumaltar Heights, 44700 Lalitpur (Nepal)

Website: www.aitm.edu.np

Final grade: 3.48

Number of credits: 53.14

School Leaving Certificate (Grade X)

Shree Saraswoti Secondary School [2016]

Address: Bethanchok - 6, Bhugdeu, Kavrepalanchok , 45203 (Nepal)

Final grade: 3.50

Number of credits: 32

Relational Database Administration (DBA)

Coursera | **IBM** [24/09/2023]

Website: <https://www.coursera.org/learn/relational-database-administration>

Link: <https://www.coursera.org/account/accomplishments/certificate/GHYQFJ4GT5PH>

SQL: A Practical Introduction for Querying Databases

Coursera | **IBM** [17/08/2023]

Website: <https://www.coursera.org/learn/sql-practical-introduction-for-querying-databases>

Link: <https://www.coursera.org/account/accomplishments/certificate/QAB8ZY68DQ28>

Introduction to Relational Databases (RDBMS)

Coursera | **IBM** [15/08/2023]

Website: <https://www.coursera.org/learn/introduction-to-relational-databases>

Link: <https://www.coursera.org/account/accomplishments/certificate/JBBVPK3WM7QK>

Linux Fundamentals

Coursera | **LearnQuest** [29/07/2023]

Website: <https://www.coursera.org/learn/linux-fundamentals>

Link: <https://www.coursera.org/account/accomplishments/certificate/HXDD2NY6Y2DY>

Hands-on Introduction to Linux Commands and Shell Scripting

Coursera | **IBM** [15/07/2023]

Website: <https://www.coursera.org/learn/hands-on-introduction-to-linux-commands-and-shell-scripting>

Link: <https://www.coursera.org/account/accomplishments/certificate/XCKZK6UR7L74>

Data Processing Using Python

Coursera | **Nanjing University** [28/07/2023]

Website: <https://www.coursera.org/learn/python-data-processing>

Link: <https://www.coursera.org/account/accomplishments/certificate/JNSVWB54CEYN>

Python for Everyone

Esri [15/03/2023]

Website: <https://www.esri.com/training/catalog/57630436851d31e02a43f13c/python-for-everyone/>

Link: <https://www.esri.com/training/TrainingRecord/Certificate/ThapaSrijan/6403741827d42070c164df16/-345>

Remote Sensing Image Acquisition, Analysis and Applications

Coursera | **UNSW Sydney (The University of New South Wales)** [25/03/2023]

Website: <https://www.coursera.org/learn/remote-sensing>

Link: <https://www.coursera.org/account/accomplishments/certificate/VE2GQ2T7553P>

Getting Started with Imagery and Remote Sensing

Esri [05/03/2023]

Website: <https://www.esri.com/training/catalog/634f16c15030f204ae8e30f4/getting-started-with-imagery-and-remote-sensing/>

Link: <https://www.esri.com/training/TrainingRecord/Certificate/ThapaSrijan/6403717527d42070c164c369/-345>

Fundamentals of GIS

Coursera | **University of California, Davis** [17/07/2023]

Website: <https://www.coursera.org/learn/gis>

Link: <https://www.coursera.org/account/accomplishments/certificate/EREWK426F98C>

Cartography

Esri MOOCs (Massive Open Online Courses) [29/03/2023]

Website: <https://www.esri.com/training/catalog/596e584bb826875993ba4ebf/cartography/>

Link: <https://www.esri.com/training/TrainingRecord/Certificate/ThapaSrijan/63fd88e2815d987310165ea1/-345>

ArcGIS Online Basics

Esri [28/02/2023]

Website: <https://www.esri.com/training/catalog/5d816c0255cf937306d2d3ef/arcgis-online-basics/>

Link: <https://www.esri.com/training/TrainingRecord/Certificate/ThapaSrijan/6403717527d42070c164c369/-345>

HONOURS AND AWARDS

Scholarship Award: 33% Coverage of Total Fees

Department of Geomatics Engineering in collaboration with LMTC and MoLMAC [08/2018]

Need - Based scholarship (25% tuition fee waiver)

Kathmandu University School of Engineering [05/06/2019]

Merit - Based scholarship (100% tuition fee waiver)

Kathmandu University School of Engineering [2022]

Awarded Merit - Based scholarship covering 100% tuition fee of 7th semester being semester topper.

Full Scholarship in Total fees

White House Secondary School [06/2016]

Received a complete scholarship covering all fees for Higher Secondary School Leaving Certificate (Grade XI & XII)

Participant - An International BP Debating Championship, MahaSangram III

Debate Network Nepal (DNN) [07/2017]

Semifinalist - MahaKumbha III, National school debating championship

Debate Network Nepal (DNN) [12/2016]

WORK EXPERIENCE

Geomatics Engineer, Cartographer and Geographic Information System Analyst

Geo 3D Modelling Pvt. Ltd. [15/03/2023 – 04/05/2023]

City: Kathmandu

Country: Nepal

Website: <https://geo3dmodelling.com.np/>

Email address: info@geo3dmodelling.com.np

Founding President

Youth for Change - Kathmandu University (YFC-KU) [08/2020 – 12/2021]

City: Dhulikhel

Country: Nepal

Email address: youthforchangeku@gmail.com

DIGITAL SKILLS

Linux / PIX4Dmapper / Scene

GIS Software Packages

ArcGIS / QGIS / ArcGIS Pro / Global Mapper Pro

GPS/GNSS Post-Processing Software

GAMIT/GLBOK (version 10.7) / Trimble Business Center / Leica Infinity / GNSS Solution / RTKLIB

Remote Sensing Software

ENVI / SNAP / StaMPS / eCognition

AutoDesk Software Packages

AUTOCAD / Autodesk ReCap Pro / AutoCAD Civil 3D

Microsoft Office

Microsoft Word / PowerPoint / Excel

Database Management Software

PostgreSQL / MySQL / Microsoft Access / PostGIS

Programming language

Python / Java / Spatial Database Management System / JavaScript / CSS / HTML / MATLAB / C++ (Basics) / C (Basic)

PROJECTS

Estimation of Tropospheric Water Vapor Content from ground based GNSS observation and InSAR in Bagmati Province, Nepal

[05/2023]

Prepared Spatial and Non Spatial Database of Buildings at Kathmandu University

[02/2022]

Prepared Topographic Map of Kathmandu University High School (KUHS) using UAV and DGPS for Kathmandu University

[12/2022]

Wetland Mapping and Change Analysis of Rara Lake and Ghodaghodi Lake

[11/2022]

Estimation of biomass and volume of Pine species in Karnali Province using Terrestrial Laser Scanner, UAV and DGPS

[05/2023]

Land Use Classification using Supervised Classification in ArcGIS

[11/2022]

Suitable landfill site selection using GIS-based multi-criteria decision analysis in Kavrepalanchok district, Nepal.

[11/2020]

LANGUAGE SKILLS

Mother tongue(s): **Nepali**

Other language(s): **English** | **Hindi**

CONFERENCES AND SEMINARS

Rapporteur- Foresight and Scenario Development for Anticipatory Adaptation in the Hindu Kush Himalaya

[ICIMOD Khumaltar, Lalitpur Kathmandu, Nepal G.P.O. Box 3226, 19/09/2023 – 20/09/2023]

NETWORKS AND MEMBERSHIPS

General Member - Geomatics Engineering Society

[Department of Geomatics Engineering, Kathmandu University, Nepal, 09/2018 – 05/2023]

General Member - Kathmandu University Youth Red Cross Circle

[Kathmandu University, Nepal, 10/2019 – Current]
