

## Sujan Maharjan

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Address: Aachen, Germany

Birth location: Lalitpur, Nepal

Highly motivated civil engineer with a keen interest in contributing technical expertise for development of hydro-informatics tools and water management. Seeking a challenging work experience opportunity at a reputed institution to apply skills in web development, hydraulic modelling, hydrology, and flood risk assessment.

## Digital Proficiency:

Skills	Program/Application
Computer Programming	Python, MATLAB, MySQL, GitHub
Geographic Information System	ArcGIS, QGIS
Water resources modelling	HEC package, MIKE11, ArcSWAT, TELEMATC
Drafting drawings	Autodesk AutoCAD, Civil3D, Revit
Reporting	Microsoft Office

## Work Experience:

- **KISTERS AG, Aachen, Germany**  
Role: Master's thesis internship (March 2024 – Present)
  - Topic: Gauge validation using mass balance correction at river Rhine and Main
- **Indian Institute of Technology Madras (IITM), Chennai, India**  
Role: Summer Internship (June 2023 - Sept 2023)
  - Harmonic analysis of the tidal data and calculation of tides
  - Use TELEMATC to predict tides at the gauge station using harmonic analysis-derived tidal constituents
  - Program python code using Artificial Neural Network to predict tide levels at Hooghly tidal gauge station
  - Compare all three values and reporting
- **Epicenter Engineering Solution, Lalitpur, Nepal**  
Role: Full-time Civil Engineer (Dec 2019 - Sept 2022)
  - Prepare Desk Study, Pre- Feasibility, Feasibility, Hydrological and Detailed Feasibility Reports
  - Design and draft 2D AutoCAD drawings of various hydropower components
  - Visit project sites for reconnaissance survey, documentation of socio-economic aspects, as well as review, works completed
  - Prepare cost estimation, bill of quantities and final bill of work done
  - Perform financial analysis of hydropower projects

## Education:

- M.Sc. Hydroinformatics and Water Management (Oct 2022– Sept 2024)
  - Université Côte d'Azur (France), Newcastle University (United Kingdom), Brandenburg University of Technology (Germany)
- B.E. Civil Engineering (Oct 2015 - Jan 2020)
  - Tribhuvan University, Nepal

## Languages:

English: C1      German: A2      Nepali: Mother tongue      Hindi: C1

## Interests:

Programming | Web-development tools | Hydrology | Geo-Spatial Analysis |  
Hydraulics | Hydropower (Civil) Design | Research | Water Management |  
Hydroinformatics