

SUJAN BHATTARAI

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🌐 [linkedin.com/in/bhattarai1](https://www.linkedin.com/in/bhattarai1) | 🌐 [Portfolio](#) | github.com/Sujan-Bhattarai12/

EDUCATION

University of California Santa Barbara

Masters in Data Science

Santa Barabara, CA

Expected: June 2024

Affiliation: Teaching assistant and research assistant

Coursework: ML(regression, classification, deep learning), big-data, statistics, geospatial analysis, python, r, sql, data-viz, policy evaluation

Thesis: Uncertainty in climate model outputs, leveraging machine learning and supercomputers for Earth's future. tools: python, ML, Dash,

EXPERIENCE

Clinical Data scientist/analyst

August 2022-August 2023

Nimble Clinical Research, Kathmandu, Nepal

- Analyzed 10 clinical projects in 10 months, employing R, SAS, and SQL for analysis, resulting in a 1.5x increase in project completion rate compared to the previous year.
- Produced 50+ comprehensive reports, addressing 4 critical data reporting issues previously unnoticed, and implemented corrective action, resulting in increased trust with clients in US and India
- Spearheaded the company's intern training program as the lead communicator, guiding new interns and delivered 30+ impactful presentations over 10 months, facilitating their maximum growth.

Climate Data science Intern

November 2021-August 2022

Small Earth Nepal, kathmandu, Nepal

- Expedited a two-year research project to completion in 1 year, contributing to the success of 5 academic research projects involving geospatial data analysis and statistics, bias correction, trend-test, and change point detection, modeling.
- Led a groundbreaking study, utilizing logistic regression on rainfall data to quantify climate change in mountains, selected for presentation at the world's largest geological conference AGU 2023.
- Designed and executed milestones for 6 climate projects, concurrently mentoring senior researches and 3 new interns in educating data science tools, catalyzed 2x acceleration in organizational operations

Quantitative Data Research Intern

June 2021-September 2022

Kathmandu Institute of Applied Sciences, kathmandu, Nepal

- Conducted 150+ direct interviews with political representatives over nepal, drafted the data in numbers for quantitative analysis
- Employed a social science approach to evaluate the collected qualitative data and performed statistical analysis to measure changes, leading to a first research study that quantified effects in poor households during covid induced lockdown.
- Assumed a leadership role within the first month of the internship, accomplished the research project in 3 months, created reports, charts, data-viz, while supervising 2 new interns in carrying out quantitative research.

PROJECTS

Maxent modeling with XGBoost algorithm in Machine Learning with R, [project-link](#)

Comparing competing Machine Learning models in classifying songs in spotify, [project-link](#)

Exploring Optimal locations for marine aquaculture geospatial data analysis with R, [blog-link](#)

CERTIFICATIONS(5+)

Data Scientist with R [Datacamp, 2022]

Mastered mathematical aspects of machine learning, encodings, gradient descent, deep learning and neural network.

Big Data with SQL Specialization [Coursera, 2024]

Learnt relational database management systems and big data management system, hue and snowflake interface for cloud, apache hive & impala for big data sql, parallel computing, map-reduce functions

LEADERSHIP AND AFFILIATION

Business Development Manager

January 2021-January 2022

AIIESEC in Nepal

-Volunteered for a year, helped in curating events, setting up clients meetings for sponsorships, organizing team events to raise funds for the organization, participating in free food distribution, cleaning campaign, activism rallies

SKILLS

Tech : r, python, sql, sas, machine learning, deep learning, geospatial analysis, applied statistics, hadoop ecosystem, apache hive and impala, git, quarto, web-development(html, css)