

Prawan Amatya

GIS Data Analyst / Urban Planner

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Profile

A GIS Data Analyst / Urban Planner with a strong background in geospatial technologies with 8 plus years of experience in ESRI, Spatial analysis, ArcMap application, database management, GIS APIS, Python, JavaScript/HTML5/CSS3, ArcGIS Server Service and open-source API. Demonstrated ability to Analyze spatial and non-spatial data, solve complex problems, troubleshoot issues, manage a digital library of spatial maps, and produce reports on City planning.

EXPERIENCE

Luck Grove Telecommunication - GIS Designer / QA

May 2023 - Nov 2023 (Company downturn)

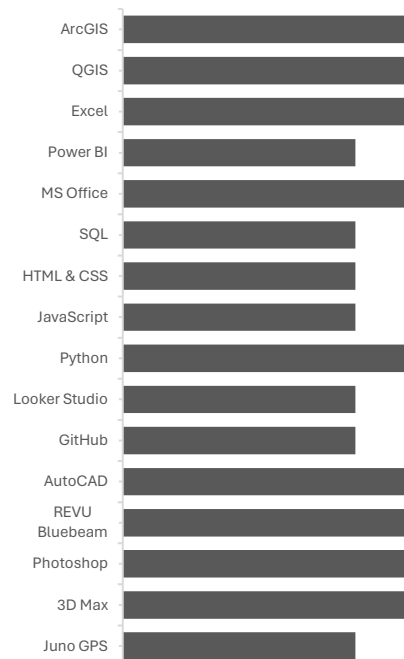
- Drafted detailed and complete map drawings with accuracy for Frontier Fiber Internet and Quality Controlled the drawings accordance with company requirements for Charter Communications.
- Incorporated design inputs, sketches, field notes and permitting ordinances.
- Translated verbal and written inputs from the field teams to create new base maps and edited existing system maps from available records.
- Created drawing packages for engineering, construction or permit application.
- Quality assured designs in compliance with requirements and regulations (OSHA, FCC, NESC, and NEC, etc.)
- Managed workload per customer and company expectations.

GeoNadir-Naxa Pvt. Ltd., Brisbane, Australia / Kathmandu Nepal —GIS data analyst and Quality Assurance Engineer

April 2022 - April 2023 (Project Completion; Family circumstances)

- Designed, Developed, and implemented GIS Solutions to support business goals the clients.
- Worked with project manager and Clients to understand requirements and design GIS solutions.
- Extracted complex geospatial dataset of 300,00+ images across the platform from SQL server and visualized in Looker Studio through charts and numbers to analyze large data.
- Collected Telemetry data of user's use case through Platform API to analyze data for the improvement to make the platform more user friendly.
- Reviewed Quality specifications and technical design documents to supply prompt and meaningful feedback.
- Managed and Collaborated projects with a team through Slack and

SKILLS



Licenses & certifications

Geospatial Technology for Archaeological Studies

Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)

Credential ID:

<https://certificate.iirs.gov.in>

Credential ID:

f1f091e34ea56663991b87fc10eaecebe

Overview of Web GIS Technology

Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO)

Credential ID:

<https://certificate.iirs.gov.in>

Credential ID:

65defbeb7ee53fecb6a4cfc636203776

GitHub projects.

- Platform URL: <https://data.geonadir.com/fairgeo>

Asian Development Bank (ADB), Kathmandu, Nepal — National Property Tax and GIS Specialist

May 2022 - April 2023 (Project Completion)

- Delivered, collected, and compiled the survey questionnaire.
- Reviewed survey questionnaires and presented property tax administration practices concerning IT Technology, including property tax workflows, databases, and system security.
- Conducted Property Tax related data collection from DoLMA, LROs, LGs, etc.
- Analyzed the collected data through spreadsheets to see the patterns of taxation similarities and differences across the country.
- Visualized the data through charts and Excel spreadsheets to find meaningful insights to suggest what resources are needed to improve the taxation process to achieve the goal in the next 5 to 10 years.
- Customized GIS workflow and software programs for data collection using MS Excel.

Innovative Design Concern Pvt. Ltd., Lalitpur, Nepal — Urban Planner/GIS Specialist

April 2021 - March 2022 (Merger)

- Customized GIS workflow in ArcGIS and QGIS for data collection.
- Analyzed Population data, Transportation data, multi-hazard data, Spatial data, etc. to make the sensible connection for the purpose of developing planned cities and smart cities Of Budhanilkhantha and Sankhu municipalities in Nepal.
- Analyzed surveyed GIS data and suggested crucial key points to the city for decision-making purposes.

Asian Development Bank, Kathmandu, Nepal — National GIS Specialist

August 2020 - January 2021 (Project Completion)

- Coordinated with the Chief of the Revenue Department of Kathmandu Metropolitan City, Lalitpur Metropolitan City, and Supervisor of PASCO International to retrieve and analyze necessary GIS data related to Land Tax Revenues.
- Analyzed Satellite imagery of resolutions of 1.5m, 0.5m, and 0.3m for building footprints using ArcGIS, Erdas Imagine, and QGIS.
- Automated the building footprint generation and combined it with building property data for taxation purposes.

ICIMOD (International Center for Integrated Mountain Development), Lalitpur, Nepal — GIS Developer

May 2020 - September 2020 (Project Completion)

- Designed, developed, and implemented GIS solutions to supply visualized information to the public and businesses in developing countries.
- Utilized the Rest API and ArcGIS API JavaScript for web development.
- Performed spatial analysis to support decision-making by stakeholders.
- Developed and customized GIS application using Esri's ArcGIS platform for large spatial data.

Links

GeoNadir Drone data –
<https://data.geonadir.com/fairgeo>

ICIMOD –

<http://nepal.spatialapps.net/gcfpsnepal>

Reference

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GIS Specialist – Supervisor

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<http://mavdisk.mnsu.edu/mohap>
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GeoSpatial Systems Pvt. Ltd., Lalitpur, Nepal — GIS Expert and Marketing Manager

April 2020 - March 2021 (Company restructuring)

- Supplied support, troubleshooting, testing, debugging, and documentation for the MAS (Metric Addressing System) project.
- Created base map, performed spatial analysis, quality assured spatial data and developed web application for the local government.

Sam Houston State University, Huntsville, TX — Graduate Assistant

September 2018 - May 2019 (Graduating semester)

- Evaluated and made corrections to the GIS data Lab materials - GIS for Public Health and Digital Image Processing data designed by the Professor.
- Presented with demonstration, the GIS data analysis Lab materials (GIS for Public Health and Digital Image Processing data) to the students for further clarification.

Apple Inc., Austin, TX — GIS Analyst

August 2016 - September 2018 (Higher Education)

- Captured the Apple Indoor Maps according to CAD and GeoJson Data.
- Created QA and data analysis and created a report for the Developer.
- Mapmaking and manipulating the existing map, using Esri Arc CIS, Lidar Datasets, and Apple Extension.
- Reported the bugs and working method to developers for a faster quality result.
- Managed and supported GIS data offshore and onsite across the enterprise.

Le Sueur County Emergency Management, Le Sueur, MN — GIS Intern

May 2015 - September 2015 (Project Completion)

- Increased the accuracy of the EMS by updating resource contact information.
- Geocoded the Contact information and represented it on Map and Google Earth for Geospatial analysis.
- Calculated the effectiveness of the EMS Service area and response time through GIS data analysis.
- Represented the County on tabletop exercise at a Seminar organized by FEMA.

Nepal Housing and Urban Development, Lalitpur, Nepal — Architect & GIS Technician

January 2011 - August 2013 (Higher Education)

- Created Maps on demand for clients (Urban Developer and Local Government)
- Manipulated Spatial Data as per the Client's requirement.
- Worked with Raster data and vector data to delineate the housing development patterns.
- Planned and designed, buildings and spaces, Presented Projects, Made Design Decisions
- Surveyed, Researched, and Preliminary Designed of Housing for Elders

EDUCATION

Google, Google Advanced Data Analytics Professional Certificate

November 2023 - present

Sam Houston State University, Huntsville, TX —*Master of Science, Geographic Information Science*

January 2018 - December 2019

Minnesota State University, Mankato, MN —*Master of Arts, Urban Planning (Urban Studies)*

August 2013 - May 2016

Minnesota State University, Mankato, MN —*Graduate GIS Certificate*

January 2014 - December 2015

Kathmandu Engineering College, Kathmandu, Nepal —*Bachelor of Engineering, Architecture*

August 2005 - January 2011