

Sanjay Manandhar

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Profile

Mid-level Data Engineer with over three years of professional experience in designing and maintaining data infrastructure, developing data pipelines, and delivering analytical solutions. Demonstrated ability to work effectively in remote and distributed environments. Proficient in Python, SQL, AWS, and various data engineering tools. Proven track record of contributing to impactful projects across healthcare, public sector, and financial domains. Strong analytical mindset, reliable communication skills, and a commitment to quality and continuous improvement.

Technical Skills

- **Programming & Tools:** Python (NumPy, Pandas, Airflow), SQL, Bash, Git
 - **Cloud Platforms & Big Data:** AWS (S3, Redshift, EC2), Hadoop
 - **Data Engineering:** ETL, Data Warehousing, Web Scraping, Data Visualization, Apache Spark, Hadoop
 - **Collaboration & Remote Tools:** Slack, Jira, Notion, GitHub, Zoom
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Professional Experience

Cedar Gate Technologies — Data Engineer/Data Analysis

October 2023 – May 2024

- Queried and optimized large-scale healthcare datasets stored in Amazon Redshift, supporting performance improvement initiatives.
- Mentored junior personnel on the U.S. healthcare data ecosystem and internal tooling practices.
- Standardize data using in-house ETL tools and modules to get the desired output.

- Utilized AWS S3 for managing data versioning and supported the development of analytical software for client-facing insights.
- Strong knowledge of CMS Data Code Sets including ICD-10, CPT-4, HCPCS, NDC, and Provider Taxonomy Codes
- Proficient in HEDIS (Healthcare Effectiveness Data and Information Set) and HCC (Hierarchical Condition Categories) methodologies for quality and risk adjustment reporting
- Hands-on experience in the U.S. Healthcare Sector, with deep understanding of claims processing, medical coding, and regulatory compliance

Young Innovations Pvt. Ltd. — Data Intern to Junior Data Professional

February 2022 – July 2023

RVS Project:

- Processed survey data using Python and ODK.
- Collaborated with field engineers to ensure clean and complete data collection.
- Automated data syncing and updates through ODK Central for nationwide reporting.

Census Nepal:

- Cleaned and standardized national census datasets using Python.
- Created analytical visualizations to support demographic research.
- Uploaded processed data to AWS S3 for public portal distribution.

ResourceContracts:

- Developed ETL pipelines to process and clean public contract documents.
- Created a chatbot that explains complex policy language in user-friendly terms.
- Built dashboards to visualize contract trends and ensure public transparency.

Hazesoft Pvt. Ltd. — Data Science Intern to Data Scientist

February 2021 – October 2021

- Designed and implemented ETL pipelines for NEPSE stock data to support real-time analysis.
 - Built machine learning models for classification tasks including fake news detection and gaming behavior categorization.
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Education

Tribhuvan University / Nepal Commerce Campus, Minbhawan

Bachelor of Information Management (BIM), CGPA: 2.87

Graduated: 2021

Prasadi Academy, Lalitpur

Higher Secondary Education Board (HSEB), 72.3%

2014

Sudeshha High School, Lalitpur

School Leaving Certificate, 76.63%

2012

Selected Projects

- RVS Platform: <https://rvs.ndrrma.gov.np>
 - Census Nepal: <https://censusnepal.cbs.gov.np>
 - Resource Contracts: <https://resourcecontracts.org>
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Additional Information

Languages: English (Fluent), Nepali (Native)

Interests: Football, Chess, Travel, Music