

Tara Prasad Pandey

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PROFESSIONAL SUMMARY

Results-driven Data Analyst with expertise in machine learning, automation, and process optimization. Strong leadership and communication skills, combined with a proven ability to collaborate with cross-functional teams, deliver actionable insights, and drive data-driven decision making.

PROFESSIONAL EXPERIENCE

Data Analyst, Rippey AI – Louisville, CO (Remote) Nov 2024 – Present

- Large data sets were collected, cleaned, and transformed to ensure accuracy and consistency of the data for analysis and reporting.
- Developed and optimized complex queries in MongoDB to support business intelligence and reporting needs.
- Automated recurring reports using Python, significantly reducing manual effort and improving efficiency.
- Generated insights and actionable reports in Looker, helping management and business teams make informed decisions.
- Designed and maintained dashboards for real-time monitoring of key performance metrics.

Automation Analyst, Rippey AI - Louisville, CO (remote) May 2024 – Nov 2024

- Developed and maintained automated data pipeline systems using Python and Google Scripts, reducing manual reporting time
- Architecture MongoDB database operations for efficient data storage and retrieval processes
- Designed and executed aggregation pipelines for streamlined data processing and analytics
- Created automated data visualization systems for real-time business insight
- Led cross-functional collaboration for process optimization and automation implantation

Process Analyst, Rippey AI - Louisville, CO (remote) Dec 2023 – May 2024

- Compiled, verified accuracy, and sorted information to prepare source data for computer entry
- Identified and addressed data quality issues, reviewing data for deficiencies or errors
- Applied data program techniques and procedures to execute and verify data extraction scripts
- Collaborated with cross-functional teams to interpret data visualizations and derive strategic recommendation
- Execute and verify scripts designed for dashboard email extraction, ensuring accuracy and reliability in data retrieval processes.

Machine Learning Associate, Binary Logic Pvt. Ltd - Kathmandu,Nepal Dec 2023 – May 2024

- Assist in cleaning and preprocessing diverse datasets for machine learning applications
- Learn to identify and address data quality issues
- Contribute to coding and programming tasks associated with model development
- Work closely with senior team members to understand project requirements and contribute to problem-solving discussions
- Document code and processes to maintain a clear and organized repository. Create detailed documentation of experiments and results

IT Intern, Butwal Submetropolitan - Butwal, Nepal Dec 2023 – May 2024

- I worked closely with other members of the IT team to ensure that the data was accurate and consistent across all systems
- I was responsible for collecting data from various departments and consolidating it into a centralized system

- During my internship at Butwal Sub metropolitan, I played a critical role in centralizing the organization's computer systems.

KEY PROJECTS

Data Analysis and Streamlined Reporting System

- Created a data visualization and reporting system from scratch, enabling the organization to track resource usage and time allocation effectively. Transformed raw, unstructured database data into meaningful insights for better decision-making
- Took full responsibility for generating and providing reports to all departments within the organization as per their requirements.
- Led the reporting process for the new indexing project, ensuring accuracy measurement, providing improvement suggestions, and successfully launching the project with continuous updates.

Automated Reporting System

- Developed end-to-end automated reporting system using Python and Google Script
- Implemented MongoDB integration for data storage and retrieval
- Created automated visualization dashboards for business metrics

Deep Learning Classification System

[Link](#)

- Designed and implemented CNN models for image classification
- Integrated automated data preprocessing pipelines
- This project focuses on the classification using Deep learning. The goal is to build a model that can classify and predict accurately

Machine Learning Projects

[Link](#)

- Within this repository, you will find a collection of code and resources pertaining to machine learning and data analysis. It encompasses a variety of algorithmic examples and techniques commonly utilized in the field
- Additionally, the repository provides datasets that can be employed for experimentation and testing purpose
- The code is written in python programming language and covers topics such as regression, classification etc
- **Outcomes:** Accurate Predictions: Our models consistently achieve high prediction accuracy, enabling accurate assessments of horse survival rates, sales forecasting, machine failure detection, car purchase classification, credit card fraud detection, and crab age prediction.

Data Analysis

[Link](#)

- Organizations often face challenges in interpreting raw, unstructured, and messy data stored in various formats. Without proper analysis, these data remain unmeaning, hindering effective decision making and insight discovery.
- As part of a self-learning initiative, I inspected, cleaned, and transformed raw datasets, applying various techniques to make the data structured and meaningful. This involved handling missing values, eliminating redundancies, and visualizing key patterns to uncover actionable insights.
- Through this project, I developed a deeper understanding of data analysis concepts and honed my skills in leveraging tools for data processing. The transformed data provided clear and actionable insights

Core Competencies

- Strong leadership and team collaboration
- Effective communication and interpersonal skills
- Analytical thinking and problem-solving
- Adaptability and time management

Education

Pokhara University, Bachelor in Computer Information Systems

Sept 2017 – Aug 2022

- Crimson College of Technology
- **Coursework:** Computer Architecture, Programming, Database , Operations Management, Business Research etc

TECHNICAL SKILLS

Languages: Python, Google scripts

Databases: MongoDB, PostgreSQL, MySQL

ML/AI Frameworks: TensorFlow, scikit-learn, Pandas, NumPy

Data Visualization: Matplotlib, Dashboard Design, Looker, Jupyter Notebook

Development Tools Git, Jupyter Notebook, Google Colab, Anaconda

Project Management Notion, Jira

Certifications :

Data Analyst: Data Analyst Associate certificate

Kaggle: Competitions Contributor