

Srijan Rijal

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Professional Summary

Final-year Computer Science student with hands-on experience in Front-End Development and WordPress development. Skilled in building responsive user interfaces using HTML, CSS, JavaScript, and modern development tools. Experienced in optimizing websites for performance and user experience, with a strong foundation in problem-solving and collaborative development. Seeking a Junior Front-End Developer role to apply and grow my frontend skills in a professional environment.

Technical Skills

Data Analysis: Python (Pandas, NumPy), SQL, Statistical Analysis, Exploratory Data Analysis (EDA), Data Cleaning

Machine Learning: Scikit-learn, XGBoost, Predictive Modeling, Feature Engineering, Model Evaluation

Data Visualization: Matplotlib, Seaborn, Power BI concepts, Excel (Advanced - Pivot Tables, VLOOKUP, Charts)

Database & SQL: MySQL, MongoDB, Query Optimization, Data Modeling, ETL Processes, Database Design

Programming: Python, SQL, JavaScript, PHP, Java

Tools & Technologies: Git, Jupyter Notebook, VS Code, Postman, Excel, phpMyAdmin

Education

IIMS College

BSc (Hons) in Computer Science (Data Science Specialization) – Final Year

Kathmandu, Nepal

2023 – 2026 (Expected)

- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Database Management Systems, Statistics, Data Mining

Experience

WordPress Developer Intern

SmartSites Nepal

Mar 2025 – Jun 2025

Kathmandu, Nepal

- Analyzed website performance metrics and user behavior data using Google Analytics to provide insights for optimization
- Extracted and analyzed data from MySQL databases to track content performance and user engagement patterns
- Created reports on website traffic, conversion rates, and SEO performance for client presentations
- Optimized database queries resulting in improved page load times and enhanced user experience
- Managed database operations including data cleaning, backup, and migration of WordPress sites

Ghar Nirman – AI/ML Tender Bidding System | Python, XGBoost, MongoDB, Pandas, NumPy

2024

- Performed comprehensive exploratory data analysis (EDA) on 5000+ tender records to identify bidding patterns and trends
- Cleaned and preprocessed large datasets including handling missing values, outliers, and data normalization
- Engineered 15+ features from raw tender data using domain knowledge to improve model performance
- Built XGBoost predictive model achieving 85% accuracy in forecasting tender winners through statistical analysis
- Created data visualization dashboards to present insights on cost estimation patterns and bidding behavior
- Developed automated ETL pipeline using Python to extract, transform, and load data from multiple sources
- Optimized MongoDB aggregation queries reducing data processing time by 40%

Bhabya Event – Event Management System | PHP, MySQL, Data Analytics

2024

- Designed normalized relational database schema with 12+ tables optimized for analytical queries
- Implemented complex SQL queries using JOINs, subqueries, and aggregate functions for business intelligence reports
- Created analytical dashboards displaying event attendance trends, revenue analysis, and booking patterns

- Analyzed user behavior data to identify peak booking times and popular event categories
- Developed automated reporting system generating weekly performance metrics for stakeholders

MotoSafa - Waste Management Analytics | Java, MySQL, Data Analysis

2024

- Built data models to track and analyze waste collection efficiency across multiple routes and time periods
- Performed statistical analysis on collection data to identify optimization opportunities and reduce operational costs
- Created SQL views and stored procedures for generating KPI reports on collection schedules and disposal metrics
- Designed data pipeline using JDBC to aggregate daily collection data for trend analysis
- Developed visualization reports showing collection patterns, route efficiency, and resource utilization

Data Analysis & Visualization Projects | Python, Pandas, Jupyter Notebook

2023 - 2024

- Conducted various data analysis projects including customer segmentation, sales forecasting, and trend analysis
- Created interactive visualizations using Matplotlib and Seaborn to communicate insights effectively
- Performed statistical hypothesis testing and correlation analysis on real-world datasets

Certifications

Introduction to Machine Learning – Completed Jan 2024

Data Visualization – Completed May 2024

Python Fundamentals – Completed Jan 2024

Key Competencies

Data Analysis Skills: Data Cleaning & Preprocessing, Statistical Analysis, Exploratory Data Analysis, Feature Engineering

Analytical Tools: Excel (Advanced - Pivot Tables, VLOOKUP, Data Analysis), SQL (Complex Queries, Aggregations)

Business Intelligence: KPI Development, Dashboard Creation, Report Generation, Data Storytelling

Soft Skills: Critical Thinking, Problem Solving, Attention to Detail, Communication, Team Collaboration **Languages:** English (Fluent), Nepali (Native)