

Anup Katuwal

Systems Analyst | Data & Backend Systems

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SUMMARY

Systems Analyst and Data Analyst with a Master's in Computer Information Systems (CGPA 3.71). Experienced in bridging business requirements and technical execution, mapping system workflows, analyzing complex datasets, and designing backend and database solutions. Strong background in data evaluation, SQL, Python, and system documentation.

SKILLS

Systems Analysis & Design: Requirements Gathering, Workflow Mapping, System Integration, Documentation, Data Modeling

Data & Databases: SQL (SELECT, JOIN, GROUP BY), Microsoft SQL Server, MySQL, Python (pandas, NumPy), Data Cleaning, EDA

Backend & Tools: Python, FastAPI, Git/GitHub, Jupyter, Excel

EXPERIENCE

Graduate Researcher – Master's Thesis

Apr 2022 – Apr 2026

NCIT, Pokhara University | Kathmandu, Nepal

- Researched, structured, and analyzed complex datasets, developing RMH-Bias-10K (a 10,000-post annotated dataset with Cohen's kappa = 0.88).
- Evaluated system metrics and built FairBERT, a fairness-aware classifier, improving performance metrics against baseline models.
- Managed end-to-end project lifecycle from requirements analysis to data evaluation and final documentation.

Freelance Developer (Upwork)

Present

Remote

- Delivered client software projects using structured requirements management, direct stakeholder communication, and technical delivery; earned a 5.0-star rating.

Consultant Supervisor

Jan 2021 – Jul 2022

Bhatta IT Consultancy Services | Remote (Austin, TX, USA)

- Supervised development teams, managed project deliverables, and coordinated technical requirements across time zones.

Teaching Assistant – Database Management Systems

Feb 2018 – Sep 2018

College of Applied Business | Kathmandu, Nepal

- Taught database management concepts, schema design, normalization, and SQL queries, translating complex technical processes into clear guidelines for stakeholders.

PROJECTS

HR Data Cleaning & Workflow Analysis

Python, pandas, Jupyter

- Analyzed and cleaned multi-variable organizational datasets, resolving data integrity issues, missing values, and formatting inconsistencies to ensure reporting reliability.

Fraud Data Missingness Analysis

Python, pandas, statistics

- Conducted missing-data analysis on a 51,000-row dataset utilizing hypothesis testing to evaluate data patterns and system compliance.

EDUCATION

Master of Computer Information Systems (MCIS)

2021 – 2026

NCIT, Pokhara University | Kathmandu, Nepal | CGPA 3.71

B.Sc. Computer Information Systems

2010 – 2014

Columbia College | Denver, CO, USA | GPA 3.36

CERTIFICATIONS & LANGUAGES

- **Training:** Advanced Data Analysis with Python – Broadway Infosys (2026); Google Data Analytics – Coursera (In Progress)
- **Languages:** Nepali (Native), English (Fluent)