PRABIN DEVKOTA

STATISTICAL PROGRAMMER | CLINICAL DATA AUTOMATION

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PROFESSIONAL SUMMARY

Statistical Programmer with 4 years of experience in clinical data programming, automation, and regulated data workflows. Develops internal R packages and reusable solutions for SDTM and ADaM dataset creation, TFL generation, clinical data validation, and regulatory reporting. Technical experience includes R, Python, SQL, Base SAS, PROC SQL, SAS macros, ETL pipelines, APIs, and workflow automation. Works closely with statistical programming, biostatistics, and data management teams in global CRO environments.

CORE SKILLS

Clinical programming: SDTM, ADaM, CDISC, TFL generation, EDC workflows, clinical data validation, regulatory reporting

Programming: R, Base SAS, PROC SQL, SAS macros, Python, SQL

Automation: R package development, reusable utilities, ETL pipelines, APIs, workflow orchestration, data quality checks

R ecosystem: tidyverse, data.table, purrr, devtools, Shiny, ggplot2, Plotly

Platforms and tools: PostgreSQL, Redis, Git, Jira, Power BI, Django, REST APIs

Clinical environment: GCP-regulated workflows, FSP delivery model, CRO collaboration, submission-ready outputs

PROFESSIONAL EXPERIENCE

Senior Data Analyst and Statistical Programmer | **Numeric Mind Pvt. Ltd.** *Oct 2022 - Present*

Kathmandu, Nepal | Functional Service Provider embedded with global CRO teams

- Develop and maintain internal R packages that standardize SDTM and ADaM dataset creation and TFL generation across multiple CRO engagements, improving reproducibility and shortening delivery timelines.
- Build modular R and Python utilities and ETL pipelines for clinical data ingestion, transformation, validation, and reporting, including Redis-based processing for high-volume workflows.
- Improved overall workflow efficiency by approximately 30% through reusable programming components and automated data-processing steps.
- Automate EDC data review workflows using validation rules and AI-assisted edit checks, reducing manual QC effort and identifying data issues earlier.
- Implement reusable data validation frameworks and workflow standards aligned with CDISC, SDTM, and ADaM requirements for regulated deliverables.
- Create Shiny, Plotly, and ggplot2 dashboards that help study teams review clinical data, monitor quality, and investigate findings.
- Collaborate with statistical programmers, biostatisticians, and data management teams while supporting quality and timely delivery across concurrent clinical projects.

EARLIER EXPERIENCE

Python Developer Trainee | **InfoDevelopers Pvt. Ltd.** *Jan 2022 - Mar 2022*

Kathmandu, Nepal

- Developed Django backend components with PostgreSQL, built REST APIs, and supported HTML, CSS, and JavaScript integration for workflow applications.

Cybersecurity Analyst Intern | **OneCover Pvt. Ltd.** *Jul 2021 - Oct 2021*

Kathmandu, Nepal

- Monitored network traffic using Wireshark and Splunk, supported firewall and IDS/IPS deployment, and contributed to internal security audits and awareness activities.

RELEVANT CERTIFICATIONS

SAS Advanced Programmer Specialization | Coursera *Dec 2022*

SAS Programmer Professional Certificate | SAS Institute *Dec 2022*

Structured Query Language using SAS with Honors | Coursera *Dec 2022*

Data Analyst with R | DataCamp *Nov 2022*

Importing and Cleaning Data with R | DataCamp *Nov 2022*

EDUCATION

Bachelor of Computer Applications | **Purbanchal University, Nepal** *2017 - 2021*

RECOGNITION

Employee of the Quarter Q3 2025 | Numeric Mind Pvt. Ltd.

Recognized for strong delivery and teamwork on clinical data projects.

COMMUNITY INVOLVEMENT

Operations Manager Volunteer | Asia Pacific Regional Internet Governance Forum *2021*

Hult Prize OnCampus Winner | Purbanchal University *2019*