Sanad Dhital

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Education and Certification

Bachelor of Science in **Mathematics** with **Statistics** Minor — **Park University**
Project Management Certificate — **2018-present**
Geographical Information Systems (GIS) certificate
Drone Application certificate
Google Data Analytics professional certificate (2022-present) — **Google**

Skills & Abilities

- Intermediate proficiency in Excel, SQL, Tableau, ArcGIS, and ArcGIS pro
- Beginner Proficiency with Data Analysis tools in Python and R
- Expertise in tutoring advanced Math and Statistics topics to college students
- Event organization and Project Management
- Fluency in English, Nepali, and Hindi languages

Experience

Academic Success Centre — **Park University**
Student Tutor — **2021-present**

- Assisted college students from diverse majors to complete their math requirement for graduation
- Improved understanding of advanced math concepts primarily focusing on calculus and linear algebra aimed at STEM students
- Prepared lesson plans and test techniques to guide students prepare for quizzes and finals

Technology Exploration Committee (TEC) — **Park University**
Co-chair — **2021-present**

- Facilitated student projects by providing training on operating technological equipment like AR, VR, and 3D printers
- Conducted technological survey among students to understand technological needs in campus and worked on solution plans
- Introduced new printing kiosk around campus and mental health mobile application to address critical problems faced by students

Summer Project (Polymath REU)

Markov chains and Abstract strategy games — **Polymath Jr | June-August 2021**

- Developed mathematical models of two abstract strategy games: Tapatan and Picaria by applying Markov Chains under the supervision of Dr. Johanna Franklin, Hofstra University
- Designed frameworks and general formulas for describing the potential flow of the game, board configurations, and winning configurations
- Calculated the combinatorics for the numbers of board configurations of the games by generating appropriate transition matrices and determining absorbing Markov chain
- Developed analysis on expanded versions (3-D and larger planar versions) of these board games

Awards

- "Mathematics and Statistics Departmental Honors" of Park University (issued 04/21/2021)