

# SANAD DHITAL

Portfolio Website | LinkedIn | Tableau Public | sanad.dhital@gmail.com

## EDUCATION

### Park University

MS in Information Systems and Business Analytics

BS in Mathematics with Statistics Minor

Project Management Certificate & Geographical Information Systems (GIS) certificate

Kansas City, MO

2023-present

2018 – 2022

## SKILLS SUMMARY

Tableau, Python (Pandas, Matplotlib, Scikit-learn, Seaborn), Web Scraping (scrapy, beautiful-Soup), MySQL, BigQuery, MS SQL server, AWS (Redshift, EC2), R, Salesforce, HTML, CSS, Java Script, MATLAB, git, ArcGIS, MS Excel

## PROJECTS

### UC Berkeley Datathon for Social Good 2022 ([link here](#))

- Researched and Cleaned water quality and water pollution data of California from various opensource portals
- Evaluated relation between socio-economic trends and water pollution based on poverty, toxic chemicals and community status via python and SQL queries in deepnote; Presented finding using visualizations in Tableau

### 365 Data Science Tableau Project ([link here](#))

- Analyzed audio book sales dataset and review dataset using joins and blending in Tableau; created three visuals and combined them in an interactive dashboard

## WORK EXPERIENCE

### Technology Exploration Committee (TEC)

#### Co-chair

Park University

Aug 2021 - Jun 2022

- Designed websites to host events for Student Organizations and saved \$50,000 on budget; used HTML, CSS, JavaScript and integrated Google Calendar; resulted in 100% adoption within 2 months
- Created data pipeline to store log and activity data on student organizations webpage visitors; automated data storage in Amazon EC2 resulting in a decrease of 50% in query run time
- Led a team of 8 to create and administer a survey that generated 5 future project ideas sourced from campus students; utilized Canvas data to increase survey rate

### Academic Success Center

#### Statistics Tutor

Park University

Aug 2021 - Dec 2022

- Supported 200+ college students (80% veteran and 60% returning students) to graduate; delivered individualized lesson plan for their success
- Prepared learning resources and Excel templates on topics of confidence intervals and hypothesis testing for basic statistics class; grades above B boosted by 60% compared to last semester
- Automated data migration process reducing 2 hours per week of manual work; designed data pipeline to migrate meetings details from Oncehub and google sheets to salesforce using Apex and SOQL

### Polymath REU

#### Games Analyst Intern

virtual

Jun 2021 - Aug 2021

- Successfully generated 2 out of 3 new mathematical models for Tapatan board game; applied concepts of transition matrix and Markov Chains to define different board configurations in a team of 3
- Verified accuracy of manually evaluated patterns of the game using custom libraries in MATLAB through iterative testing; concluded 3 theorems on potential flow of the game, board configurations, and winning configurations
- Optimized analysis on 3-D and extended versions of the game by generating abstract models in Simulink

## CERTIFICATION

### General Electrics

#### Data Analytics Virtual Experience

- Crafted ETL process to clean data lake using Amazon redshift resulting in a single database that combined financial, delivery, supplier, and customer data for parts and engines at GE aviation
- Facilitated GE aviation team with automated dashboards in Tableau to visualize KPIs for every aviation part at each stage of supply chain logistics
- Analyzed data from 50 operations to identify patterns in pass/fail rates for each operation; cleaned data for training