Kristian Roger M. Agdeppa, CLSSYB

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PROFESSIONAL EXPERIENCE

Business Analyst · Greenergy Development Corp.   *July 2024 – July 2025*

- Utilized JavaScript with **Google Apps Script** to design and develop a tracking and approval system using the Gmail API, automated **6** procedures across the finance and procurement department. Streamlined processes with a data-driven approach for bottleneck analysis, resulting in improved workflow efficiency
- Designed a data retrieval algorithm and developed dashboards in **Google Sheets** and **Tableau** that allowed the top management to monitor the deliverables of each department which resulted in **20%** faster completion of deliverables
- Perform **ad-hoc data analysis** and data-driven recommendations to C-level executives and department heads for business problem solving and analysis

Jr. Data Engineer · Climbs Life and General Insurance Cooperative   *March – June 2024*

- Designed and optimized a deduplication algorithm for **12M** rows of data using Python that minimized client information search workload and data inaccuracy by approximately 30%
- Collaborated with a team of data scientists to design an **ETL** pipeline for scraping text data from 350 PDF files and a data cleaning process that utilizes regex to meet project constraints

ACADEMIC BACKGROUND

Bachelor of Science in Data Science   *Cum Laude*
University of Science and Technology of Southern Philippines

Certified Lean Six Sigma Yellow Belt
Advanced Innovation Group Pro Excellence

TECHNICAL TOOLS

Languages	**Python**, **SQL, JavaScript**
Developer Tools	**Google App Script, Streamlit, Google Workspace**
Data Visualization	**Tableau**, **PowerPoint, Excel, Google Sheets**

PROJECTS

Optimizing U.T.I Diagnosis with Machine Learning and A.N.N for Reducing Misdiagnoses
- Designed the objectives, methodology pipeline and system architecture of the study
- Designed a custom data retrieval algorithm to extract and load the required data from various sources
- Implemented hyperparameter tuning using Optuna framework and built a hybrid voting ensemble model with optimal hyperparameters
- Designed a data validation pipeline and integrated a MySQL database to the web application

Application of Convolutional Neural Network for Baybayin Character Recognition
- Designed the Convolutional Neural Network architecture
- Conducted a hyperparameter tuning for CNN using Optuna framework