

Kristian Roger M. Agdeppa

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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.
- Automated the data retrieval process and designed dashboards in Google Sheets that allowed the top management to monitor the deliverables of each department which resulted in **20%** faster completion of deliverables.
- Designed insightful dashboards using **Tableau** for KPI tracking, monitor costs, requests and possible bottlenecks in the procedures

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

- Designed and optimized a deduplication algorithm for **2M** rows of data using Python that minimized client information search workload and data in accuracy 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*

TECHNICAL TOOLS

Languages	Python, SQL, JavaScript
Developer Tools	Git, JupyterLab, VS Code, 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