Kristian Roger M. Agdeppa

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PROFESSIONAL EXPERIENCE

Automation/Data Specialist · 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*
University of Science and Technology of Southern Philippines

TECHNICAL TOOLS

Languages	Python, SQL, JavaScript
Developer Tools	Git, JupyterLab, VS Code, Google App Script, Streamlit, LucidChart
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