

# Kristian Roger M. Agdeppa

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Makati, National Capital Region, Philippines

## PROFESSIONAL EXPERIENCE

**Data 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 **six** 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
- Analyzed business processes and procedures, identified bottlenecks and inefficiencies in the procedures, proposed solutions that improved the efficiency of the department processes.

**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