KRISTIAN ROGER M. AGDEPPA

0998-342-4158 | kristianrogeragdeppa@pm.me| Cagayan de Oro City, Misamis Oriental 9000 |
linkedin.com/in/kr-agdeppa | kr-agdeppa.github.io

PROFESSIONAL EXPERIENCE

Data Analyst | *Greenergy Development Corporation* *Sept. 2024 - Present*

- Utilized JavaScript with Google Apps Script to design and develop a tracking and approval system using the Gmail API, automating **6** procedures across the finance and procurement departments. Streamlined processes with a data-driven approach for bottleneck analysis, resulting in improved workflow efficiency.
- Designed insightful dashboards using Tableau for KPI tracking, monitor costs, requests and possible bottlenecks in the procedures

Junior 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 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

TECHNICAL TOOLS

Languages	Python, SQL, JavaScript
Apache Software	Kafka, Airflow
Developer Tools	Git, JupyterLab, VS Code, Virtual Box, Docker, Google App Script
Cloud Tools	AWS (S3, Secrets Manager, DynamoDB)
Data Visualization	Tableau, PowerPoint, Excel, Google Sheets

ACADEMIC BACKGROUND

Bachelor of Science (B.S) in Data Science *Cum Laude*

University of Science and Technology of Southern Philippines

PROJECTS

Optimizing U.T.I Diagnosis with Machine Learning and A.N.N for Reducing Misdiagnoses

/kr-agdeppa/UTI-Diagnosis-Classification

- 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

/kr-agdeppa/Baybayin-Character-Recognition

- Designed the Convolutional Neural Network architecture
- Conducted a hyperparameter tuning for CNN using Optuna framework