KRISTIAN ROGER M. AGDEPPA

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TECHNICAL SKILLS

Operating Systems	Windows, Linux (Ubuntu)
Languages	Python, SQL
Databases	MySQL
Developer Tools	Git, JupyterLab, VS Code, Virtual Box, Docker, Talend
Cloud Services	AWS, Azure

EXPERIENCE

DATA ENCODER Cagayan de Oro City Government *April 2020 - May 2021*

- Reviewed source documents to locate and enter data in specific data fields.
- Stored completed documents in assigned locations.

DATA ENGINEER INTERN Climbs Life and General Insurance Cooperative *March 2024 – June 2024*

- Designed and optimized a deduplication algorithm that minimized client information search workload and data inaccuracy, improving the overall data.
- Collaborated with a team of data scientists to design an ETL pipeline for scraping text data from various files

EDUCATION

BACHELOR OF SCIENCE (B.S.) IN DATA SCIENCE *August 2020 – July 2024*

University of Science and Technology of Southern Philippines - Cagayan de Oro City, Misamis Oriental

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 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

Predicting Adware Applications on Android Devices

/kr-agdeppa/Adware-Classification

- Designed the methodology used in the study
- Implemented the methodology using Python and trained and tested five machine learning
- Designed a custom hyperparameter tuning algorithm that allowed the researchers to tune multiple hyperparameters