KATHERINE R. MAGLALANG

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EXPERIENCE

Intern Cloud Engineer   **2024 - Present**
Achieve Without Borders, Inc.

- Configured and managed database replication using PostgreSQL to enhance data availability and reliability.
- Worked with Linux (Ubuntu) as the primary operating system for server configurations.
- Monitored and assessed cloud instances on Google Cloud Platform (GCP) and Odoo.sh to ensure performance and uptime.
- Created and distributed monitoring reports for clients, providing analysis, instance status updates, and optimization recommendations.
- Utilized Google Workspace for documentation, collaboration, and workflow management.

PROJECTS

Application of Support Vector Machine and Long Short-Term Memory   **2024**
Algorithms for X Filtering

- Developed a sentiment analysis plug-in for Twitter that uses SVM and LSTM models to detect and filter negative tweets in real-time.
- Built a Flask API for processing real-time tweet data and deploying machine learning models on an AWS EC2 instance, allowing for the analysis of large-scale datasets.
- Worked on multiple machine learning projects including regression models and neural networks for data classification and prediction tasks.

EDUCATION

Holy Angel University   **2021 - 2025 (expected)**

Bachelor of Science in Computer Science
- President's Lister (2021)
- Dean's Lister (2022- 2024)

St. Scholastica's Academy   **2019 - 2021**

Science, Technology, Engineering, Mathematics (STEM) Strand

ADDITIONAL INFORMATION

- **Certification Issued by AWS Training and Certifications:** Cloud Foundations (2024)
- **Certifications Issued by Cisco Networking Academy:** Introduction to Networks (2024), Introduction to IoT (2021), Introduction to Cybersecurity (2021)
- **Seminars:** Data Visualization Workshop hosted by Eskwelabs (2023), Blockchain Regional Conference at Holy Angel University (2024)
- **Professional Skills:** Communication, Time Management, Adaptability, Team Work, Computer Literacy
- **Technical Skills:** Python, Java, JavaScript, CSS, HTML, Node.js, React, SQL
- **Technologies**: Google Cloud, Amazon Web Services, Microsoft Office