Bryan Ross G Vocales

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Lot8 Block13 PCS-539 Vallejo
Place Phase4 Pasong Buaya II
Imus Cavite

EDUCATIONAL BACKGROUND

Tertiary:
University of Perpetual Help System
DALTA-Molino Campus
2022-Present

Secondary:
Southern Philippines Institute of Science & Technology Senior Highschool
2020-2022

General Licerio Topacio National Highschool
Junior Highschool
2017-2020

Primary:
ST. Jerome Emiliani Institute Elementary
2012-2017

Projects & Experience

Hill Cipher Encryption/Decryption System

- Developed a system to encrypt and decrypt messages using the Hill cipher, using Python and HTML for the frontend.
- Integrated backend algorithms with a live server for real-time demonstrations, ensuring a smooth presentation and seamless user experience.

PERSONAL PROFILE/CAREER OBJECTIVES

I'm a third-year Computer Science student with a solid background in coding, data analysis, and problem-solving. I've worked on projects that deal with data encryption picking the right algorithms, and machine learning. Now, I'm ready to put what I've learned to use in the real world. I want to use my analytical skills and tech know-how to help a fast-paced company come up with new ideas. At the same time, I hope to get some valuable experience in the industry. I'm keen to learn about and adjust to new technologies as they come up. I'm also committed to getting better at data science and AI all the time.

SEMINARS/WEBINARS ATTENDED

- Blockchain Club Presentation
- "11th International Webinar: Deep Fake News Detection"
- "10th International Webinar: Grey Wolf Optimization Technique in Machine Learning"
- 8th International Webinar entitled "Innovation in IoT for Smart Applications"
- 7th International Webinar: Modern Technology of Parallel and Distributed Programming
- Green IOT of Poland
- Seminar on innovation practices in the area of Wearable computing

SKILLS

- **Programming Languages:**
  - **Python** – Proficient in data manipulation, scripting, and automation using libraries like pandas and numpy.
  - **SQL** – Experienced in querying, managing, and optimizing databases.
  - **R** – Knowledge of statistical computing and data visualization.
  - **Java** – Foundational knowledge in object-oriented programming and application development.
- **Data Analysis and Visualization:**
  - **Tools** – Skilled in using tools such as Excel for basic data manipulation, RapidMiner for data mining, and Tableau for creating interactive dashboards.
  - **Python Libraries** – Experienced with matplotlib, seaborn, and plotly for data visualization.
  - **Statistics and Data Interpretation** – Strong understanding of statistical techniques, such as regression, clustering, and hypothesis testing.
- **Machine Learning and Artificial Intelligence:**
  - **Frameworks** – Practical knowledge of Scikit-learn for model building and TensorFlow for basic neural networks.
  - **Algorithms** – Understanding of supervised and unsupervised learning techniques, including classification, regression, clustering, and recommendation systems.
- **Data Engineering and Management:**
  - **Data Preprocessing** – Skilled in data cleaning, feature engineering, and preparation for machine learning models.
  - **Database Management** – Experience with SQL databases and data retrieval for analysis.

RapidMiner Analysis

- Conducted data analysis on various datasets using RapidMiner, including data cleaning, feature engineering, and model selection.
- Successfully applied machine learning models to predict trends and extract valuable insights.

Summative Laboratory 2 - Intelligent System Approach

- Selected and implemented various learning algorithms to solve complex real-world problems using an intelligent system approach.
- Demonstrated the application of algorithms in decision-making processes, contributing to the development of an intelligent system for automated predictions.

- **Software Development:**
  - **Web Development Basics** – Knowledge of **HTML, CSS, JavaScript** for integrating data visualizations with web applications.
  - **Version Control** – Proficient in **Git** for collaboration and source code management.
- **Analytical and Problem-Solving:**
  - **Data-Driven Decision-Making** – Ability to interpret complex datasets to provide insights and support business decisions.
  - **Critical Thinking** – Proficient in breaking down problems and applying logical reasoning to develop solutions.
- **Technical Tools and Platforms:**
  - **Development Environments** – Experience with **Jupyter Notebooks** for data science, **VS Code** for general development, and familiarity with **Linux** for scripting and command-line operations.
  - **Project Collaboration** – Familiar with collaboration tools like **Trello**, **Slack**, and **Google Workspace** for project planning and teamwork.
- **Professional Development:**
  - **Self-Learning and Adaptability** – Committed to continuously learning new tools, languages, and frameworks relevant to data science and computer science.

REFERENCES

Betty Jane Medina
Teacher
0917-681-8574

Remedios Luczon
Manager
0923-825-2585