Jefferson C. Bual

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Education

University of Cabuyao (PnC)   Cabuyao City, Laguna
Bachelor of Science in Computer Science   2019 – 2024
University Involvement: 12th IT Olympics 2023 Quiz Bee Participant
Certification: Wadhwani Foundation (Core Employability Skills)

Skills

Programming Languages and Tools: Java, PHP, Python, MySql, Restful API, PyTorch, Codeception, PHPUnit Testing, and Git
Web Development: HTML, CSS, Bootstrap
Frameworks: Java Swing
Productivity: Microsoft Office such as Word, Excel, PowerPoint
Additional Skills: Communication skills, Teamwork/Collaboration, Problem-Solving/Analytical Thinking, Adaptability/Flexibility, Technical Documentation, and Organizational skills.
Language: Filipino and English

Project/s

Developing a Hybrid LeNet-Inception Model for Learning Baybayin Script from Scratch - Project Link

- Designed and implemented a hybrid LeNet-Inception neural network model to recognize and learn Baybayin script from scratch.
- Achieved a 90% accuracy rate in script recognition, demonstrating the model's effectiveness and robustness.
- Conducted extensive data preprocessing and augmentation to enhance the model's learning capability and performance.

A Thesis: BayaScript - Convolutional Neural Networks (CNN) Driven Character Recognition in a Mobile Application for Learning Baybayin - Project Link

- Successfully led a team in developing a mobile application aimed at facilitating the learning of the Baybayin script.
- Managed the backend development of the application, ensuring seamless functionality using Java and Python.
- Implemented a custom Convolutional Neural Network (CNN) model for character recognition, enhancing the application's functionality.

A Web-Based Student Academic Performance Monitoring System for Banay-Banay Elementary School - Project Link

- Designed to enable remote monitoring of student academic performance
- Utilizes AES algorithm for data encryption to ensure user privacy and security
- Implements Bootstrap and PHP for implementation, facilitating user-friendly interface and dynamic functionality
- Responsible for manipulation of the database in SQL, ensuring efficient data storage and retrieval
- Acquired proficiency in crafting diverse SQL queries tailored to address real-world problems encountered during the project

Experience

Pixel8 Web Solutions & Consultancy Inc.   Legazpi City, Albay
Back End Developer (OJT)   Feb 2024 – Apr 2024

- Contributed to backend development and optimization, ensuring alignment with client requirements.
- Implemented Git version control, managing errors and collaborating effectively on GitLab for issue tracking and merge requests.
- Developed backend APIs, conducted PHPUnit testing, and documented request and response processes.
- Applied object-oriented programming principles in PHP while familiarizing with Visual Studio Code IDE for efficient development workflows.

Agile 360 Lazada Warehouse   Cabuyao City, Laguna
OIC   Jan 2020 - Jan 2021

- Managed workloads of manpower to ensure efficient operations.
- Facilitated communication within the team to align with business strategies.
- Implemented strategies to streamline operations and improve efficiency.
- Oversaw manpower allocation to meet workload demands effectively.
- Ensured smooth operation by aligning manpower activities with business objectives.