ANGELICA MEI DE VILLA

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TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Python, Java, Kotlin, C++
Frameworks and Libraries: React, Bootstrap, Django
Databases: MySQL, SQLite
Tools: Visual Studio Code, Android Studio, NetBeans IDE, Git and GitHub

EXPERIENCE

Batangas State University – TNEU, ICT Services Office | ICT Intern
February 2024 – May 2024
HTML, CSS, JavaScript On-site Internship

- Led the development of a static website to replace the PDF-based system for the Anti-Red Tape Act (ARTA) of the campus, creating an accessible platform for students and faculty to easily access essential public service information.
- Designed and implemented responsive layouts, ensuring the website was functional across devices and optimized for user experience.
- Worked closely with the ICT Head to translate requirements into a clean, simple design that improved the visibility and accessibility of key resources.

PROJECTS

Jobify: Job Application Tracker
November 2024 – In Progress
Django, Python, HTML, CSS, JavaScript **https://github.com/meidevilla/Jobify**

- Designed and developed Jobify, a full-stack web application for tracking and managing job applications, utilizing the Django framework for the backend.
- Built and implemented a dynamic CRUD system enabling users to create, read, update, and delete job application records with real-time data synchronization.
- Designed an intuitive user interface, allowing users to easily track and organize job application details in a user-friendly and efficient manner.

SignSense: An Android-Based Application for Real Time Traffic Sign Detection with Voice Alert System and Temporal Data Integration
March 2024 – July 2024
Kotlin, Python **https://github.com/meidevilla/SignSense-Application**

- Developed SignSense, an Android application for real-time traffic sign detection, utilizing machine learning to enhance road safety and achieved an 86.90% in detection accuracy.
- Implemented distance estimation with minimal errors (ranging 0.1 to 0.4 meters) and achieved real-time performance with a frame rate of 30 fps.
- Integrated voice alerts to notify drivers of detected traffic signs and its distance, improving safety by providing immediate feedback.
- Ensured cross-device compatibility by testing the application on various devices with different processing powers, memory capacities, and camera qualities, ensuring consistent functionality across a wide range of mobile devices.

EDUCATION

Batangas State University – The National Engineering University, Alangilan Campus
Bachelor of Science in Computer Engineering
August 2020 – October 2024