Bethvour Newness Onyinyechi Chike

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🎓 EDUCATION

Computer Engineering   Jan 2023 – present
Jackson State University   *GPA: 4.0*

🧠 LANGUAGES AND FRAMEWORKS

Python, **Cerner**, **Flutter**, **Dart**, **Javascript**, **Java**, **HTML**, **CSS**, **C++**, **Mobile Development** (Android and iOS), **Swift**, **Google Cloud Plateform**, **FHIR Data Exchange**, **Figma** (UI/UX Design), **TensorFlow**, **OpenCV**, **Docker**, **Mako**

📁 PROJECTS

Health Dart 🔗
- Developed a vital application facilitating seamless integration of Health Information Exchange (HIE) data with Electronic Health Records (EHR) to optimize healthcare delivery in the emergency department (ED).
- Frameworks; Cerner, SQL, Python (Panda Library), Java, FHIR Data Exchange

Grandma's RecipeBox 🔗
- Developed "Grandma's Recipe Box," a recipe storage app. It is designed for both seasoned chefs and beginners to enhance the cooking experience.
- Implemented features for user account creation to save and access recipes from any location. Enabled easy storage and organization of recipes in a centralized location.
- Created an intuitive user interface for seamless recipe addition, editing, and management. Integrated sharing options allow users to share recipes with friends and family effortlessly.

AI Virtual Mouse 🔗
- Developed a script that controls the mouse by picking hand gestures and using them for the mouse movement.
- Frameworks: Python, OpenCV, Zbar Library, MediaPipe, Pyautogui, Win32ctypes

Racing game, A 2d retro car game ~ Pygame Engine 🔗
- Created a 2D retro-style endless runner car racing game with multiple car selections, a store for item purchases, and obstacles.
- Frameworks: Pygame, Tensorflow

💼 PROFESSIONAL EXPERIENCE

Battery Pack Hardware Lead   Aug 2023 – present
Battery WorkForce Challenge   Alexandria, Virginia
- Designing, building, testing, and integrating an advanced EV battery pack into a Stellantis vehicle.

DataWiz Program ~ Student Intern   Jun 2023 – Jul 2023
Regenstrief Institute, Inc. [IU - MSI STEM Program] 🔗   Indiana, Indianapolis
- Created an application "Health Dart" that helps clinician decision-making in the emergency department.
- Data Analysis on the chief complaint of Chest pain in the emergency department.

Innovation Fellow   Jan 2023 – present
Center of Innovation and Entrepreneurship 🔗   Jackson, Mississippi
- Created a real-time sign-in portal for workers at the innovation center, that records time of arrival and departure from work by swiping your ID.
- Organized a session to allow students with a language barrier to learn about recent technological developments in a fun and interactive environment.

🏠 ORGANIZATIONS

Career Exploration Officer   Aug 2023 – Aug 2024
CEO Student Ambassador   Jackson, Mississippi
- Assist students in exploring various career options, provide guidance, and help them make informed decisions about their future career paths.