

Jhon Norban Rulona

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EDUCATION

University of the Immaculate Conception

Bachelor of Science in Information Technology

Davao City

2021 – Present

ACLC College – Tagum City

ICT – Programming and Graphics Design

Tagum City

2016 – 2018

Assumption Academy of Mawab

Certificate of Completion

Davao de Oro

2012 – 2016

PROJECTS AND RESEARCH EXPERIENCE

RedSync PH – Mobile Health Application | *Flutter, Firebase, Hive, ChatGPT API*

- Developed a mobile health application for hemophilia patients supporting bleed tracking, medication logs, dosage calculation, and offline access.
- Implemented a clotting factor dosage calculator based on clinically validated formulas from the Hemophilia of Georgia.
- Integrated offline data storage using Hive with automatic synchronization to Firebase upon reconnection.
- Built an AI-powered chatbot using the ChatGPT API to deliver evidence-based health education and first-aid guidance.
- Conducted usability evaluation using the Mobile App Usability Questionnaire (MAUQ) with patients, caregivers, and healthcare professionals.

ITSO Project – Preliminary Patent Search and Documentation

- Assisted in conducting a preliminary patent search for a digital health mobile application.
- Reviewed related patents to identify novelty, functional overlap, and innovation gaps.
- Prepared structured technical documentation to support patent drafting and evaluation.

Parkify – Digital Parking Fee Monitoring System

- Developed a system enabling parking attendants to record vehicle entries and compute parking fees efficiently.
- Automated fee calculations to reduce manual errors and improve transaction accuracy.
- Implemented report generation features for daily and periodic parking transaction summaries.

Personal Portfolio Website

- Designed and deployed a personal portfolio website showcasing projects, technical skills, and photography work.
- Implemented responsive design and deployed using GitHub Pages.

TECHNICAL SKILLS

Mobile Development: Flutter, Dart

Backend & Databases: Firebase (Authentication, Firestore), Hive (Offline Storage)

AI & Tools: ChatGPT API, NotebookLM (Research Summarization)

APIs & Services: Google Maps API

Development Tools: Visual Studio Code, Git, GitHub

Creative Tools: Adobe Photoshop, Adobe Lightroom

Research & Documentation: Usability Testing, Technical Writing, Preliminary Patent Search

SOFT SKILLS

Problem-solving and analytical thinking

Team collaboration and effective communication

Research-oriented and detail-focused

Willingness to learn and adapt to new technologies