

ROBERT JHON D. ARACENA

Computer Science Intern | AI & Full-Stack Developer | UI/UX Designer

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PROFESSIONAL SUMMARY

Computer Science student at the University of Mindanao specializing in Artificial Intelligence, with experience in full-stack development, UI/UX design, mobile development, and AI-powered systems. Skilled in JavaScript, React, Laravel, Flutter, Firebase, SQL, Java, and Python. Seeking an internship to contribute to real-world software and AI solutions.

EDUCATION

University of Mindanao2023 – 2027
Bachelor of Science in Computer Science, Specializing in Artificial Intelligence

Maria Cristina P. Belcar Agricultural High School2021 – 2023
Senior High School — With Highest Honor

Maria Cristina P. Belcar Agricultural High School2021 – 2023
Senior High School — With Honor

TECHNICAL SKILLS

Programming: Java, Python, PHP, JavaScript, TypeScript, Dart, SQL
Frontend / Backend: React, TailwindCSS, Laravel, Node.js, Firebase, PostgreSQL
Mobile/Desktop: Flutter, React Native, JavaFX
AI / Machine Learning: Computer Vision, YOLO, ResNet50, MobileNetV2, RAG Systems
Design Tools: Figma, Canva, Inkscape, Affinity Designer, Blender, Cavalry, CapCut

PROJECTS

AgriSense: AI-Powered Agricultural Robotics & Disease Diagnosis

AI / Robotics / Flutter / Computer Vision / RAG

- Built an agritech system combining robotics, computer vision, and a mobile app for automated crop monitoring and tomato leaf disease diagnosis using YOLO and ResNet50/MobileNetV2.
- Built AgriGuide, a RAG-based AI assistant delivering treatment and fertilizer recommendations from diagnosis results.

IQueue — ASEAN AI Hackathon 2026, Smart City Category

AI-Powered Smart Boarding Platform

- Part of UM SIKLAB; selected as a Top 10 team. Contributed to an AI-powered smart boarding platform reducing terminal congestion and service delays through demand forecasting and intelligent seat allocation.

RealiTechProject Manager / UI-UX Contributor

React Native / Firebase

- Led project planning and UI/UX design for a real estate solution at Hack Estate Hackathon 2025, helping the team win Best in UX Interface.

Auto Repair Management System & Arc Travel AppFull-Stack Developer

React / Laravel • HTML / CSS / JavaScript / SQL

- Built a web-based auto repair shop management system (React, Laravel) and a travel-focused web app (HTML, CSS, JS, SQL), covering frontend, database design, and core workflows.

LEADERSHIP & ACTIVITIES

Project Manager — Hack Estate Hackathon 2025 • Creative Lead — UM ENIGMA • CEO/President — FARDECO Youth Org.
• President — 4-H Club, MCPBAHS • Volunteer — Davao Startup Week 2025

AWARDS, SCHOLARSHIPS & CERTIFICATIONS

- Consistent First Honor 1st - 3rd Year College
- Best in UX Interface — Hack Estate 2025
- Top 10, ASEAN AI Hackathon 2026
- Microsoft IT Specialist: Java & Databases
- Philippine Senate Award — Academic Excellence
- EBSU-STEP & UM Academic Scholar, Cat. A
- Best in Science, Math & Research — SHS