

ANNA PATRICIA BOLOR VIDA

BS INFORMATION TECHNOLOGY

Technological Institute of the Philippines (TIP) QC

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CAREER OBJECTIVE

Information Technology graduate seeking an entry-level role where I can apply my skills in software development, web and mobile development, UI/UX design, IoT hardware, and database management. I hope to contribute to the team through steady, reliable work while learning from real industry projects. I'm motivated to grow, support ongoing tasks, and gain practical experience in a professional environment.

DESIGN PROJECT COMPLETED / RESEARCH

EchoWear: Smart Glove Translator for Two-Way FSL Communication Using LSTM Algorithm (2025–2026)

Developed a gesture-to-speech wearable device for deaf and mute users, handling Supabase setup, dataset preparation, and machine learning model training for FSL and ASL recognition. Converted models to TensorFlow Lite, assembled and tested the hardware prototype, and performed calibration and sensor adjustments.

MediMate: Offline/Online Prescription Scanner (2025–2026)

Designed and developed a mobile scanning application capable of both online and offline optical character recognition (OCR) to digitize doctor prescriptions. Engineered local data caching to ensure functionality in low-connectivity environments.

Plant Health Identifier: Offline/Online Diagnostic Application (2025–2026)

Designed and developed a mobile application capable of online and offline image recognition to diagnose and identify plant health conditions. Implemented local edge computing to allow users to analyze plant health effectively even in remote or low-connectivity areas.

Ateneo Innovation Center (AIC) Hardware & IoT Projects (2025–2026)

Engineered custom bypasses for Meta AI smart glasses to create a senior-friendly interface, integrating an AI-driven debris and bump detection system to ensure safe navigation for the elderly. Assisted in assembling IoT Weather Station for real-time environmental monitoring.

PocketHive: AI-Powered Personal Finance and Expense Management Application (2024–2025)

Designed and developed a mobile application for streamlined personal budgeting and financial tracking. Built the Bill Reminder and Payment Tracker pages, integrated Firebase Authentication and Database services, and authored project documentation for system workflows and features.

PourDecision: Smart Liquor Consumption Tracking and Level Monitoring System (2024–2025)

Developed front-end modules including Login, Sign-Up, Checkout, Admin Users, Admin Staff, and Product Inventory pages. Implemented Location API and Age Verification system, and documented system requirements and user/admin workflows.

KNOWLEDGE, SKILLS, AND ATTITUDE

Technical Skills

- **Web Development Tools and Frameworks:**
 - **Frontend:** HTML, CSS, JavaScript, Bootstrap, React.js, Vue.js, Angular, jQuery, React Native.
 - **Backend/Runtime:** PHP, Node.js, Python, Java, REST API
- **Languages:** Python, C, C++, Java, R, Dart (used with Flutter), Ruby (basic), PHP, Arduino (Wiring), Bash Scripting
- **Database Management Tools:** MySQL, Supabase (PostgreSQL), Firebase, SQLite, Local Data Caching
- **Operating Systems (OS):** Windows, Ubuntu, Linux, Kali Linux
- **Artificial Intelligence (AI):** 1D CNN & LSTM Model Training, Gesture Recognition, Data Preprocessing & Normalization, Real-Time AI Data Handling, TensorFlow, Optical Character Recognition (OCR), Image Recognition, Edge Computing (TensorFlow Lite), Computer Vision.,
- **IoT & Hardware:** Microcontrollers (Arduino Microcontroller, Raspberry Pi), Sensor Calibration, Wearable Technology Integration, Edge Computing, Hardware/Software Troubleshooting.
- **Version Control:** GitHub, Google Colab

- **Cybersecurity Tools:** Wireshark, Nmap, Burp Suite, John the Ripper, ELK Stack, Wazuh
- **Design & Development Tools:** Figma, Canva, Draw.io / Lucidchart, Unity

Soft Skills

- Problem Solving, Analytical Thinking, Time Management, Teamwork and Collaboration, Effective Communication, Adaptability, Continuous Learning, Documentation Proficiency

SEMINARS AND TRAININGS ATTENDED

- **Current Trends and Issues in Computing (CTI)**
Subic Bay Freeport Zone
April 18, 2024
- **Fintech Fridays: Cybersecurity for MSMEs: Identifying Scams Online**
Department of Trade and Industry – Rizal Province held via Zoom
February 16, 2024
- **Python and Data Analytics**
Erovoutika Robotics and Automation Solutions
Unit 703, PARC HOUSE II, Epifanio de los Santos Ave, Makati City, 1212 Metro Manila
February 4, 2024
- **Advanced Photonics Technologies for Emerging ICT and Sensing Applications**
Ateneo R.O.S.E.S Laboratory (Ateneo De Manila University)
February 20, 2026

CERTIFICATIONS

Cisco Networking Academy – Cyber Threat Management

Credential verified; skills include vulnerability assessment, security controls, risk management, disaster recovery, and forensic investigation.

Cisco Networking Academy – Operating Systems Basics

Credential verified; skills include Windows and Linux system administration, basic Linux security, mobile OS configuration, and network connectivity.

AFFILIATIONS

- Junior Philippine Computer Science (JPCS) T.I.P QC Student Chapter Member, 2025-2026
- Junior Information Systems Security Association (JISSA) T.I.P. Q.C. Student Chapter Member, 2024 – Present
- Abstract Combination with Emotional Quotient (ACEQ) T.I.P. Q.C. Student Chapter Member, 2024-2025

REFERENCES

Dr. Jasmin A. Caliwag

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