YSA GABRIELLE CERVANTES

BS INFORMATION TECHNOLOGY

Technological Institute of the Philippines (TIP)- Manila
Address: **412 Inocencio St. Pasay City 1300**
Email Address: **ysagabrielle.cervantes@gmail.com**
Cellular No.: **09550480018**

CAREER OBJECTIVE

To gain hands-on industry experience in either Quality Assurance or Full-Stack Development while contributing as a collaborative and dependable team member. Completes tasks responsibly, delivers accurate and high-quality output, and remains open to constructive feedback for continuous growth. Demonstrates adaptability and initiative by supporting testing activities, development tasks, and productive teamwork.

DESIGN PROJECTS COMPLETED/ RESEARCHES UNDERTAKEN

CAPSTONE PROJECT- ARsemble: An Augmented Reality Simulation Approach to PC Building with NLP
ARsemble is an Android-based AR application that allows users to assemble 3D PC components and receive compatibility recommendations through an NLP-driven system. Led the project as team leader and lead developer, guiding the team toward meeting the objectives and ensuring the timely delivery of all outputs. Implemented the backend logic supporting component compatibility and user workflows.

ElecSeer: A Real-time Electricity Surveillance and Forecasting WebApp
ElecSeer is a web application that provides real-time electricity consumption monitoring, appliance bill forecasting, and outage alerts using public and web-scraped data. Competed and placed as one of the Top 10 finalists in the Meralco Idol Hackathon 2023. Served as the UI-UX Designer and Frontend Developer, handling interface design and user workflows.

SKILLS AND EXPERTISE

- **Frontend Development:** HTML, CSS, JavaScript, React, Vite, Tailwind CSS
- **Backend Development:** Node.js, Python, Django, Laravel
- **Mobile & AR Development:** Android Studio, Unity
- **Databases:** MySQL, Firebase (Firestore, Realtime Database), MongoDB
- **UI/UX Design:** Figma, Balsamiq, Maze, Lucidchart
- **AI Tools:** Experience training and integrating AI models using Gemini and OpenAI APIs
- **Technical Documentation:** Reports, system manuals, user guides, backend/API documentation

LEADERSHIP ACTIVITIES

- ARsemble: An Augmented Reality Simulation Approach to PC Building with NLP- Team Leader

EDUCATION

- **Pasay City West High School- STE Program**
  2015- 2020
  Graduated with Honors
- **Pasay City High School (Senior High School- STEM)**
  2020- 2022
  Graduated with High Honors

- **Technological Institute of the Philippines- Manila**
  Bachelor of Science in Information Technology (DOST Scholar)
  2022- Present
  VPAA Lister: 2022-2023
  Deans Lister: 2024- Present

SEMINARS AND TRAININGS ATTENDED

- **Beyond Bits: Decoding the Future of Quantum Computing**
  Career Center Seminar Room, T.I.P Manila – Arlegui Campus
  October 30, 2025
- **AI Governance and Trust: Building Responsible and Transparent Artificial Intelligence**
  Google Meet
  October 25, 2025
- **Wave of the Future – Trends, Threats, and Protective Measures in Edge Computing**
  Google Meet
  October 13, 2025
- **Across the Cyber-Verse: With Great Power Comes Great Cyber-Responsibility**
  Google Meet
  October 04, 2025
- **Blocks of the Future: Unleashing Blockchain Innovation**
  Google Meet
  September 27, 2025
- **National AI Student Challenge (NAISC) 2025 – AWS Regional LLM League**
  Amazon Web Services Philippines, Arthaland Century Pacific Tower, BGC, Taguig City
  June 25, 2025
- **Block Bytes: Blockchain 101 for Students**
  Diplomatic Hall, Marriott Grand Ballroom
  September 20, 2023

EXTRA AND CO-CURRICULAR ENGAGEMENTS AND VOLUNTEER WORKS

- **AWS Cloud Club- T.I.P Manila**
  Member
  October 28, 2024 - Present
- **Microsoft Student Community T.I.P Manila**
  Member
  November 11, 2024 - May 20, 2025
- **Meralco Idol Hackathon**
  Top 10 Finalist
  November 22, 2023
- **AppCon 2023**
  Qualified Team
  June 30, 2024

OTHER SKILLS

- Version Control (Git/GitHub)
- Knowledge of Scrum and Waterfall Methodology
- Typing Proficiency: 55 WPM, 97% accuracy (English)

REFERENCE

References are available upon request.