

RACHEL JOY A. PEDROSA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

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SUMMARY

A motivated CS graduate who loves transforming ideas into meaningful frontend designs and brings a hustler energy to every project.

EDUCATION Bachelor of Science in Computer Science

Iloilo Science and Technology University | 2022-2026
La Paz, Iloilo City, Iloilo 5000, Philippines

EXPERIENCE & ACHIEVEMENTS

Dean's List Awardee (2022 - onward)
Completed NSTP Civic Welfare Training Service(CWTS)
Attended AI and Data Science Fundamentals seminars

PUTech | Co-Founder February 2024

- Co-founded PHUTech, a tech startup from a technopreneurship course, aimed at promoting inclusivity and integrating technology to education.
- Launched SignoTech, an app designed to help users learn American Sign Language (ASL), supporting both individuals with and without hearing or speech impairments.
- Proposed ISAT Docs, an online document request and tracking app, which was selected for the final pitching competition out of 10 projects.

ISAT U KWADRA TBI Technopreneurship Demo Day I 3rd place December 2024

- Joined a student startup organization at ISAT U, focused on supporting innovators and technopreneurs. Resulted in more opportunities for building connections, growth and development, and innovations.

ISAT U KWADRA TBI Technopreneurship Demo/Pitch Day October 2025

- Participated in the ISAT U KWADRA TBI Technopreneurship Demo/Pitch Day, together with my team, I presented our startup UNIDOCs, an online document request system. The event provided an opportunity to pitch our innovation to potential investors, showcase our project's impact, and gain valuable feedback and networking opportunities for future development.

RELEVANT ACADEMIC PROJECTS

- **Sign Language Learning application SignoTech(2023) | Co-Founder**
A mobile application design to facilitate learning American Sign Language (ASL)
- **Enhancing Algorithm Thesis Project (2025)**
Designed a hybrid model combining VBMS with KD-Trees and Parallel Processing.
- **Petcare+ Chatbot (2025) | Co-Founder**
An Intelligent virtual assistant designed to guide pet owners in providing proper care.
- **UNIDOCs(2024-2025) | Co-Founder**
An online document request system designed to streamline and modernize the way students, alumni, and parents request official school documents.

SOFT SKILLS

- Hustler Minded
- Proactive and teamwork abilities
- Good Communicator
- Adapative to new techonologies

TECHNICAL SKILLS

- Programming Languages: Python, Java, C, R, SQL
- Web Development: HTML, CSS, JavaScript, PHP
- Data Science Tools: NumPy, Pandas, Matplotlib, Tensorflow, Keras, Scikit-learn
- Database Management: MySQL
- Other Tools: Git/GitHub, Google Colab, Visual Studio Code

REFERENCES

Loreto G. Gabawa Jr.
MSCS / OIC Associate Dean / OIC Head, IT Department
College of Computing and Informatics
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