

Rachel Joy A. Pedrosa

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OBJECTIVE

- To gain valuable experience through On-the-Job Training (OJT) where I can apply my academic knowledge, develop professional skills, and contribute effectively to organizational goals.
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EDUCATION

Iloilo Science and Technology University

Bachelor of Science in Computer Science

2022-Present

- Dean's Lister Academic Year 2022-2023
- Dean's Lister Academic Year 2023-2024
- Dean's Lister Academic Year 2024-2025

2020-2022

Adventist Academy Iloilo

Senior High School | Science and Technology Engineering and Mathematics (STEM)

2016-2020

- With high Honors

Junior High School

- With Honors
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EXPERIENCE & ACHIEVEMENTS

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 | 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.

SKILLS AND INTEREST

Interests: WEB Design, Music, Arts

Languages: Native Filipino, Intermediate English

Technical Skills: Python, Java, HTML, CSS

Soft Skills: Hustler Mindset, Proactive, Strong Communicator

PERSONAL INFORMATION

Age: 22

Date of Birth: July 17, 2003

Gender: Female

Civil Status: Single

Height: 5'2"

Weight: 62 kg

Nationality: Filipino

Religion: Seventh-day Adventist

Rachel Joy A. Pedrosa

Computer Science
Student

CONTACT

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EDUCATION

Bachelor of Science in Computer Science

Iloilo Science and Technology University | 2022–2026

La Paz, Iloilo City, Iloilo 5000, Philippines

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

RELEVANT ACADEMIC PROJECTS

Enhancing Algorithm Thesis Project (2025)

Designed a hybrid model combining VBMS with KD-Trees and Parallel Processing.

Petcare+ Chatbot (2025)

An Intelligent virtual assistant designed to guide pet owners in providing proper care. The chatbot helps users identify suitable food, understand common illnesses, and learn essential do's and don'ts for their specific pets through an interactive conversational interface.

Sign Language Learning application SignoTech(2023) | Co-Founder

A mobile application design to facilitate learning American Sign Language (ASL)

SOFT SKILLS

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

CERTIFICATES & ACHIEVEMENTS

- Dean's List Awardee (from First Year onward)
- Completed NSTP Civic Welfare Training Service(CWTS)
- Attended AI and Data Science Fundamentals seminars
- Attended ISAT U KWADRA TBI Technopreneurship Demo/Pitch Day 2024 – 2025

RELEVANT COURSEWORK

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| <ul style="list-style-type: none">• Introduction to Computing• Programming Logic Formulation• Fundamentals of Programming• Intermediate Programming• Data Structures and Algorithms• Object-Oriented Programming• Software Engineering 1• Programming Languages• Algorithms and Complexity• Information Assurance and Security• Intelligent Systems• Human-Computer Interaction• Software Engineering 2• Information Management• Operating Systems | <ul style="list-style-type: none">• Web Information Systems• Automata Theory and Formal Languages• Multimedia Systems• Parallel and Distributed Systems• Advanced PC Repair and Troubleshooting• Architecture and Organization• Seminars and Special Topics• Application Development and Emerging Technologies• Data Science <ol style="list-style-type: none">1. Data Science Tools and R Programming2. Data Preparation3. Exploratory Data Analysis4. Statistical Inference and Regression Models5. Practical Machine Learning |
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