

# Jilrosh I. Abarte

Entry-Level Software Developer

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## Summary

A dynamic and dedicated Computer Programming student with real-world skills and an ability to learn new technologies quickly. Eager to support organizations in creating innovative software solutions.

## Education

**TVL**    **Luis Y. Ferrer Jr. Senior High School**, Computer Programming - Java    General Trias, Cavite  
**ICT**    • Awarded with Highest Honors    June 2025 – Mar 2026

## Projects and Contributions

**SafePoint**, Full-stack web application    Aug 2025 – present

- Successfully led and participated in the development of a student reporting and counseling platform using **Spring Boot** and **JavaScript**.
- Passed institutional review by the school guidance counselor and gained formal interest from the **Schools Division Office of General Trias City**.
- Actively **pursuing adoption** across educational institutions.

**LuiSalikSeek Verify**, Automation pipeline    Mar 2026

- Deployed Google App Scripts for **automating** end-to-end research conference workflows which covered registration, evaluation, and certificate **generation**.
- Processed over **700** participant records with **96%** success rate.

**RecordKeep**, QR-based attendance system    Nov 2025

- Co-developed a full-stack attendance system in **Spring Boot** designed to replace manual record-keeping for teachers.
- Deployed for institutional testing, with a **positive** overall user reception. Currently undergoing further development for wider rollout.

**Project Treasury**, Technical project proposal    Feb 2026 – present

- Successfully conceptualized a **Python-based** financial ledger platform addressing recordkeeping gaps in **MSME** financial management.

**Project Pokari**, Experimental development setup    Mar 2025

- Developed an experimental setup bringing **Linux** tooling to Android via Termux, aimed to complement existing solutions in resource-constrained settings.
- Authored deployment scripts and **full documentation** for reproducible setup.

**Linux Mint Community**, Quality Assurance and Support Volunteer    June 2024 – present

- Conduct ISO and application-specific testing across releases.
- Contributed to **Wayland** preparation and testing ahead of upstream transition.
- Successfully resolved over **150** community help tickets on the forums.

## Certifications

**CNA - Computer Hardware Basics**    Oct 2024

**CNA - Operating Systems Basics**    Oct 2024

**CNA - Networking Basics**    Oct 2024

**CNA/NDG - Linux Essentials**    Dec 2024

**CNA - Network Support and Security**    Dec 2024

## Research

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- Tap to Speak Up: Assessing Student Use and Trust in a Digital Platform for Reporting Bullying and Scheduling Counseling**, Lead Researcher June 2025 – Mar 2026  
Conducted research tied to the development of the anti-bullying platform, examining student trust and engagement with digital reporting and counseling systems.
- Awarded **Best Oral Presentation** in the TVL ICT category at LuiSalikSeek 2026.
  - Peer-reviewed and accepted for presentation at the **Dasmariñas Research Congress**, Kolehiyo ng Lungsod ng Dasmariñas.
- Framing the AI Landscape: ICT-CP Perspectives on the Challenges and Benefits of Generative AI in Academia**, Lead Researcher July 2024  
Led a study examining student perspectives on generative AI within the ICT-Computer Programming strand, covering academic benefits and ethical challenges.
- Awarded **Best Oral Presentation** in the TVL category at LuiSalikSeek 2026.
- Project ATLAS: Accommodating Technological Literacy Among Students of GFMNHS**, Co-author Sept 2023  
Co-authored a curriculum supplementation proposal addressing technological **literacy** gaps among junior high school students.

## Engagements

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- 1st National Robotics Coding Competition**, Contestant Nov 2022  
Competed in both individual and paired coding challenge categories at the national level.
- National Youth Science, Technology, and Innovation Festival**, Student Journalist Oct 2023  
Represented the school as a member of Science Journo Ako, an initiative under Department of Science and Technology - Science and Technology Information Institute (**DOST-STII**). Effectively conducted coverage, writeups, and interviews documenting the festival's science and technology activities.

## Skills

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- Technical:** Proficient in **web development** using **HTML** and **CSS**, **Java programming** with **Spring Boot** and Swing, **Linux** system administration, network support and security, computer systems servicing, and user interface design.
- Soft Skills:** Demonstrates strong **attention** to detail, **analytical** problem-solving, and **adaptability** in both independent and collaborative environments.
- Language:** Fluent in **English** at a **native** level, used as a primary medium for academic coursework, technical documentation, and professional communication.

## References

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### Ruth Lyn R. Pagarigan

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### Janet B. Dasalla

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