

ARVY T. AGGABAO

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Portfolio: <https://arvss07-portfolio.vercel.app/>

CAREER OBJECTIVE

Results-driven IT graduate with demonstrated expertise in cybersecurity and technical problem-solving. Eager to be a part of an organization that will enrich my potentials, build my character and utilize my knowledge and skills in the best possible way for achieving the organization's goals.

EDUCATION

Bachelor of Science in Information Technology

University of Saint Louis – Tuguegarao | Tuguegarao City, Cagayan | 2027 (*Expected*)
• *Dean's List: 2nd Semester, AY 2024 – 2025*

Bachelor of Science in Information Technology

Saint Louis University | Baguio City, Benguet | 2022 – 2024
• *Dean's List: 5 consecutive semesters (2022 – 2024)*

Science, Technology, Engineering, and Mathematics (STEM)

Luciano Millan National High School | Asingan, Pangasinan | July 2022

SKILLS

Technical Expertise:

- Familiar with Windows, Linux, and basic command-line interfaces
- Hands-on proficiency in using Microsoft 365 and Google Workspace.
- Hands-on experience conducting research on key IT concepts, including cybersecurity and networking fundamentals
- Basic knowledge of project management methodologies and technical writing for IT documentation

Programming and Development: Java, Python, JavaScript, Git, Docker

Soft Skills:

- Demonstrated quick learning ability with strong problem-solving and critical-thinking skills
- Skilled in simplifying technical concepts for diverse audiences
- Adaptable to dynamic and fast-paced environments
- Experienced in providing leadership and guidance for team-based projects

PROJECTS

ITE Digital Portfolio

This platform serves as a centralized digital repository for ITED instructors at the University of Saint Louis Tuguegarao to submit and organize their departmental requirements, providing the program chair with a structured environment to review and verify faculty submissions.

University Capture the Flag — CTFd, Docker & Nginx

Built and operated the infrastructure for a university CTF. Containerized challenges via Docker, Nginx routing, CTFd sync tooling, and Cloudflare Tunnel for public event hosting.

Tara-vel Landing Page (Capstone Project)

A landing page for Tara-vel, a public transportation companion app for Cagayan Valley commuters. Built using Next.JS Framework with the use of React, Tailwind CSS, and GSAP for animation.

GitHub Link: <https://github.com/Arvss07/taravel-landing-page>
Live Demo: <https://taravel-landing-page.vercel.app/>

Tara-vel Admin Page (Capstone Project)

This website contains the admin panel in managing Tara-vel. It uses Next.JS Framework with TypeScript, Tailwind CSS, Firebase and Cloudinary for data and storage, and Vercel for hosting.

Live Demo: <https://capstone-admin-official.vercel.app/>

Research Paper on Emerging Technologies in Cybersecurity and Networking

Conducted a comprehensive literature review focusing on the integration of emerging technologies in cybersecurity and networking by analyzing the impact of emerging threats and how new technologies can address these vulnerabilities.

Network Infrastructure and Security Plan

Developed a detailed network infrastructure and basic security plan, including equipment and hardware selection, cost estimation, wiring layouts for all the network equipment, security measures, and space allocation. for a hypothetical company building as part of an IT course final project on network fundamentals.

Network Design & Simulation with Cisco Packet Tracer

Designed and configured a multi-device LAN topology in Cisco Packet Tracer using static and dynamic routing protocols and implemented routers and switches via CLI, resolved IP conflicts, and verified end-to-end connectivity through basic subnetting and troubleshooting techniques.

SDG 14 Web Initiative

Developed a web application which aimed at promoting UNESCO Sustainable Development Goal 14: Life Below Water. The project heavily utilized CSS and HTML to create a responsive and visually appealing interface.

GitHub Link: <https://github.com/Arvss07/9473-Team2-Prelims>

Live Demo: <https://arvss07.github.io/9473-Team2-Prelims/c-sharks/>

Aeiluminate Admin Portal

Developed an admin portal for the Aeiluminate website, utilizing PHP, JavaScript, and CSS to manage backend operations and enhance user interface functionality.

GitHub Link: <https://github.com/GiovanniL30/aelluminate-admin>

Unstuffed Web MVP

Created a web application for our Philippine Startup Challenge 9 entry's minimal viable product (MVP) utilizing the Vite framework for fast development, Node.js for the backend, Tailwind CSS for styling, and React.js for building the user interface. The web app also integrates Supabase for database management and authentication, ensuring a responsive and functional user experience.

GitHub Link: <https://github.com/Arvss07/unstuffed-web-mvp>

Password Strength Analyzer

Implemented a Java program to check password strength based on criteria such as length, complexity, and common patterns and uses hashing function to add an extra layer of security

Portfolio Website

This website is a collection of my software development projects, featuring both individual work and collaborative efforts that showcase my technical expertise and growth as an IT professional.

GitHub Link: <https://github.com/Arvss07/arvss07-portfolio>

Live Demo: <https://arvss07.vercel.app/>

PHOTO STOCK CTF Challenge – Web Security Analysis

Write-up for Kaspersky CTF 2025 web exploitation challenge. Analyzed and exploited authorization bypass vulnerability using HTTP parameter smuggling, enabling unauthorized access control modification in notes application backend.

n8n-Based Workflow for Automated Task Scheduling

Developed an automation in n8n to parse structured data from emails and auto-create tasks in Google Workspace via webhook and API integration, enhancing productivity and hands-on familiarity with no-code tools.

Python Simple Chat Application

Developed a real-time chat system using Python socket programming (TCP client-server architecture) with Tkinter for the Graphical User Interface (GUI). Features include username validation and multi-user support, all within a user-friendly design.

GitHub Link: <https://github.com/Arvss07/python-socket-programming>

Web Systems 2 – Shoe Store E-commerce Website

Developed an e-commerce marketplace for a course final project, utilizing PHP and MySQL. The application features Role-Based Access Control (RBAC) for Admin, Seller, and Shopper, alongside a dynamic product catalog, shopping cart/checkout system, and order management.

GitHub Link: https://github.com/Arvss07/wsat-final_proj

Grade Calculator

A simple website that calculates the final GWA of a student based on their grades and units, using HTML, CSS, and JavaScript.

GitHub Link: <https://github.com/Arvss07/grade-calculator>

Live Demo: <https://arvss07.github.io/grade-calculator/>

SEMINARS AND TRAININGS

TCON8 Nation Cybersecurity Conference

HackTheNorth | November 2025

- Attended a two-day seminar for a national cybersecurity conference.

DICT Hack4Gov 2025

Department of Information and Communication and Technology | November 2025

- Participated in a regional level, capture the flag challenge
- Placed 1st in the overall ranking

Kaspersky CTF 2025

Kaspersky | August 2025

- Participated in an international competition CTF event hosted by Kaspersky.
- Placed 29th out of 716 participants from various schools and organizations across the Asia-Oceania region.
- Placed 5th in ranking in the Philippines.

Trend Micro uCTF Challenge

Trend Micro | August 2025

- Participated in the uCTF competition hosted by Trend Micro Philippines.
- Placed 56th out of 199 participants from various schools across the Philippines.

2025 Regional Engineering and ITE Convention

University of Saint Louis – Tuguegarao | April 2025

- Attended the Regional Engineering and ITE Convention with the theme “Shaping the Future: Trends and Innovations in Engineering, Technology, and Architecture.”
- Gained valuable insights into emerging technologies and innovative ideas relevant to the ICT industry.

Trend Micro Cyber Defense Society Conference

Saint Louis University | March 2024

- Participated in the Trend Micro Cyber Defense Society Conference 2024 at Saint Louis University, engaging in sessions on emerging threats, cybersecurity strategies, and defense mechanisms.
- Gained enhanced knowledge of real-world cyber defense practices and expanded connections with industry professionals.

CERTIFICATIONS

Network Defense Completion Certificate

Cisco Networking Academy | March 2026

Ethical Hacking Completion Certificate

Cisco Networking Academy | February 2026

Endpoint Security Completion Certificate

Cisco Networking Academy | February 2026

Network Devices and Initial Configuration

Cisco Networking Academy | January 2026

Networking Basics Completion Certificate

Cisco Networking Academy | January 2026

Apply AI: Update your Resume

Cisco Networking Academy | January 2026

Operating Systems Basics Completion Certificate

Cisco Networking Academy | January 2026

Computer Hardware Basics Completion Certificate

Cisco Networking Academy | January 2026

Data Analytics Essentials Completion Certificate

Cisco Networking Academy | January 2026

Cyber Threat Management

Cisco Networking Academy | October 2025

Introduction to Data Science

Cisco Networking Academy | October 2025

AI Class Asean Completion Certificate

Asean Foundation | October 2025

Hour of Code Webinar

Department of Information and Communications Technology Region II | October 2025

Introduction to Cybersecurity

Cisco Networking Academy | October 2025

AI-Powered Future: Mastering Prompt Engineering in Generative AI

Department of Information and Communications Technology Region II | September 2025