

ARVY T. AGGABAO

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Professional Summary

IT undergraduate specializing in software development and cybersecurity, with hands-on experience across full-stack web projects and hands-on security exercises. 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*)
Saint Louis University | Baguio City, Benguet | 2022 – 2024

Science, Technology, Engineering, and Mathematics (STEM)

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

Skills

Languages & Frameworks: JavaScript, TypeScript, React, Next.js, Vue (Composition API), Laravel, HTML5/CSS, Python, Java

Security & Networking: Web Application Security (RBAC, OAuth 2.0, JWT, Firebase Auth), Cisco Networking (VLAN, DHCP, ACLs), CTF Competition Design, Packet Analysis (Wireshark), Digital Forensics, Steganography, Cryptography Fundamentals

Infrastructure & Tools: Firebase, MySQL, Docker, Git, GitHub, Linux CLI, Vercel, Cloudflare, Cisco Packet Tracer, CTFd, Figma, Claude, OpenAI

Soft Skills: Strong analytical and problem-solving ability, comfortable working both independently and in team settings, able to communicate technical concepts to non-technical audiences, adaptable in fast-paced and self-directed environments, and strong time management

Projects

AWS SBG uCTF 2026

Lead technical organizer for the first CTF ever held at the university and the first event hosted by the AWS SBG - USLT Chapter, with 8 teams competing. Designed and authored 45 challenges across multiple categories, and deployed and hosted the CTFd platform behind an Nginx reverse proxy exposed through a Cloudflare Tunnel.

ITE Digital Portfolio

Built and deployed a centralized document submission portal for 13 ITED faculty, reviewed by the program chair. Replaced manual Google Drive uploads and Messenger-based correction requests with a single portal supporting 5 configurable requirement templates.

Term Project: 2-storey Co-Working Space Network Design

Designed and simulated a collapsed two-tier network for a hypothetical two-story co-working space, supporting an estimated 100 to 300 devices across 6 VLANs. Covered topology planning, DHCP pooling, centralized wireless via Cisco WLC, VoIP via Cisco CME, and CCTV isolation through ACLs.

Tara-vel (Capstone Project)

Owned the entire web application layer independently, including the admin panel, landing page, and Firebase architecture (security rules and authentication). Admin panel manages partner driver records and ID submission workflows, built with Next.js, React, TypeScript, Tailwind CSS, and Cloudinary.

Certifications

DICT-ITU DTC (Through Cisco Academy): Ethical Hacking, Cyber Threat Management, Operating Systems Basics, Computer Hardware Basics

Asean Foundation: AI Class Asean Completion Certificate, Hour of Code

Google: Gemini Certified Student

Seminars and Trainings

DICT Region II: Hack4Gov 2025, Hack4Gov 2026

HackTheNorth: TCON8 Nation Cybersecurity Conference

University of Saint Louis Tuguegarao: 2025 Regional Engineering and ITE Convention

Saint Louis University: Trend Micro Cyber Defense Society Conference