Mr. Ty Punleu

Data Science Student
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GitHub Profile
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About Me

He is a junior Computer Science student specializing in Data Science. Actively involved in academic, volunteer, and technical programs that require collaboration, responsibility, and clear communication. Experienced in working within teams to deliver data-focused solutions while balancing deadlines and stakeholder expectations. Motivated to apply technical skills in real-world contexts while continuing to grow through service-oriented and project-based experiences.

Education

Preah BatSuramarith High School — *2019 – 2023*
Baccalauréat II Examination — Grade A — Kampong Chhnang

Bachelor's Degree of Computer Science — Techo Digital Talent Scholarship Student — *2024 – Present*
Cambodia Academy of Digital Technology - CADT — Phnom Penh

Experiences 2025 - 2024

MOSC Cambodia — *2024 – Present*
ICT Core Team Member — Phnom Penh

– Organized and supported technical operations to ensure the smooth execution of national-level mathematics competitions for high school students that accommodate over hundred of students through effective coordination and system support.

Ministry of Post and Telecommunications (MPTC) — *December 2025*
Digital Governance Forum Volunteer — Phnom Penh

– Assisted in participant and distinguished guest coordination in the main hall, where produced rich and meaningful discussion was produced about opportunities in digital sector, ensuring orderly flow and smooth operations during a national Digital Governance Forum (DGF).

Cambodia Academy of Digital Technology — *November 2025*
AI for Education Volunteer — Phnom Penh

– Supported the organization and execution of the AI for Education Competition, assisting participant coordination and contributing to the delivery of a national-level AI initiative.

Cambodia Academy of Digital Technology — *July - Auguest 2024*
Khoding Hero Volunteer — Phnom Penh

– Supported ICT education initiatives by contributing to technical tasks and collaborating on programs aimed at empowering students through technology in Siem Reap province.

National Television of Cambodia (TVK) — *July 2024*
ABU Robocon Volunteer — Phnom Penh

– Contributed to technical operations by control on time dashboards and supporting robotics competition activities to ensure smooth national event execution.

Technical Skills and Interests

Programming Languages: C/C++, Python, JavaScript, SQL, Command Shell
Developer Tools: Git, GitHub, VS Code
Web Frameworks: React.js, Express.js, Tailwind CSS, HTML, CSS
Cloud/Databases: PostgreSQL, MySQL, MongoDB
Specialized: Web Development, Data Analyst, ML Engineer
Soft Skills: Team Coordination, Technical Documentation, Problem Solving
Areas of Interest: Data Science, AI, Data Engineering

POSITIONS OF RESPONSIBILITY

Junior Student - Data Science specialist   *2024 – Present*
ICT Core Team Member - MOSC Cambodia   *2024 – Present*
Team Lead - JomNam Khmer Text Annotation Tool Project   *2025 – Present*

PROJECTS

JomNam Khmer Text Annotation Tool   *2025 – Present*
Web-based system for Khmer text annotation

- Role: Team Lead
- Tools & technologies used: Python, TesseractOCR, Go, React.js
- Developed a project-based annotation workspace allowing users to upload datasets and manually label images and create a quality dataset for ML and AI model training.

Customer Churn Analysis   *March 2025*
A comprehensive data-driven project focused on identifying patterns and predicting customer churn

- Tools & technologies used: Python, Pandas, Matplotlib, Jupyter Notebook
- Developed a project-based for analyzing on the customer behavior who likely to churn and predict on 1500 sample dataset from kaggle

ACHIEVEMENTS

The 3rd Winner in DGC Competition Ministry of Post and Telecommunications (MPTC)   *January 2026*

- Secured the 3rd place in promoting the impactful MPTC products Verify.gov and Go.gov.kh

The Best Innovation Solution Award CADT Next-Gen Engagement Program Batch II   *September 2025*

- Awarded for designing and presenting an innovative, impact-driven solution during an intensive technology.