

THY CHANTHA

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Khan Russey Keo, Phnom Penh, Cambodia

Date: June 21, 2025

Dear Hiring Manager

Code Clans

Sen Sok District, Phnom Penh, Cambodia

I am writing to express my interest in the **Business Analyst Internship** position at Code Clans. As a fourth-year Data Science student at the Institute of Technology of Cambodia (ITC), I am passionate about technology and eager to contribute my skills to real-world software projects.

Throughout my academic journey, I have developed strong analytical and problem-solving skills through projects such as **Face Mask Detection** and **Khmer ASR Data Collection**. These experiences have equipped me with a solid foundation in **Python, SQL, Power BI**, and **web development (HTML, CSS, PHP)**. Additionally, my previous internship at Beltei International University allowed me to gain hands-on experience in data analysis and IT support.

I am particularly drawn to this opportunity at Code Clans because it aligns with my goals of improving my communication and collaboration skills while contributing to meaningful projects. The chance to work with a friendly development team and learn more about requirements gathering, user stories, and project management excites me.

With a passion for technology, a strong academic background, and practical experience in data-driven projects, I am confident that I can make a valuable contribution to your team. I am curious, eager to learn, and enthusiastic about the opportunity to grow within your organization.

Thank you for considering my application. I look forward to the possibility of contributing to Code Clans and learning from your talented team.

Sincerely,

THY Chantha



THY CHANTHA

Data Science Student

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ABOUT ME

I am a dedicated fourth-year Data Science student at the Institute of Technology of Cambodia with experience in machine learning, big data, analytics, web development, and teamwork. I have a strong interest in solving real-world problems and uncovering insights from data. My passion for technology drives me to find innovative solutions. I'm highly motivated and eager to gain hands-on experience through an internship.

EDUCATION

2021 - Present	Institute of Technology of Cambodia Senior student, Undergraduate in Data Science Foundation year GPA: 3.5 and Third year GPA: 3.0
2023 - Present	PUC Institute of Foreign Languages Intermediate level of English

INTERN EXPERIENCE

16 July 2024 16 Sep 2024	Beltei International University Data Center Intern Check data, IT support, Data Analysis used Python
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SKILLS

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|--------------------|--|-----------|--------------|
| • Python | • SQL | • PHP | • HTML |
| • Power BI | • Excel | • CSS | • JavaScript |
| • Machine Learning | • Problem-Solving and Team Collaboration | • MongoDB | |

CERTIFICATIONS

25 Mar 2025	Cognitive Class of Big Data
25 Mar 2025	Coursera Getting Started with Git and GitHub
26 Mar 2025	Cognitive Class of Data Science

ACHIEVEMENT

27 March 2024	Power of Data Science and Cyber Security Real World Application Sharing
05-06 June 2025	Scientific Day 14th I have registered as a volunteer and will also showcase my project titled Face Mask Detection.

PROJECTS

22 November 2024 24 January 2025	face mask detection
Description	Developed a computer vision system to detect mask compliance (no mask, incorrect mask, or correct mask) using YOLOv8, and deployed the trained model in a real-time application. Achieved 85% accuracy.
Technologies used	Python, Data pre-process,YOLOv8, Scikit-learn and Visualization.
9 November 2024 19 January 2025	Khmer ASR Data Collection
Description	This project is to enhance the linguistic resources available for Khmer by sharing our dataset openly, allowing researchers and students to access high-quality data for a variety of purposes.
Technologies used	Web Scraping, Website Record Collection and Machine learning.
22 January 2025 27 January 2025	Coffeine Consumptions by University Students
Description	Conducted a statistical analysis project to examine the effect of caffeine on academic performance.Applied data visualization and subset selection techniques to improve model performance and interpretability
Technologies used	Code R, EDA, Logistic Regression Binary, Logistic Regression multiple
27 February 2025 05 April 2025	Quiz Pet Test
Description	Helps grade 12 graduates prepare for medical entrance exams with structured quizzes for each course and builds strong foundational skills for medical studies through continuous practice
Technologies used	Backend (PHP), Frontend(HTML, CSS,JS) and SQL.

REFERENCES

PHAUK Sökkhey	Ph.D from Deputy head of department of Applied Mathematics and Statistics (AMS) and Head of Master Program of Data Science.
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KHEAN Vesal	Reseacher and Lecturer from department of Applied Mathematics and Statistics.
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