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19/05/2025

To the Hiring Committee

Phnom Penh, Cambodia

Dear Hiring Committee,

As a final-year Data Science student at ITC and a final-year student at IFL, I am passionate about technology and public service, and eager to contribute my skills to meaningful causes while continuing to grow in the IT field.

My background includes both technical and practical in business experiences. At **Youth Education Support (YES)**, I serve as a project coordinator, organizing and managing volunteers to train student-teachers at PTEC in digital skills.

I also participated in the **Techpreneur Bootcamp**, where I deepened my knowledge in full-stack development, soft skills, and building real-world business solutions. During the bootcamp, I worked on an **AI-powered Khmer Speech Recognition** using pre-trained models like Wav2Vec2 (via Hugging Face Transformers), PyTorch, and Librosa, aimed at recognizing and transcribing Khmer speech which our team earned 2nd Place at the AMK Techpreneur Ideation Challenge for this project. Along the way of this intensive program, the team of mine also earned 1st Place at the RMA Cambodia Ideation Challenge for developing a data acquisition system that scrapes and links car posting data from Khmer24 and Facebook to analyze the behavior and preferences of Cambodian car buyers—an idea that supports smarter market analysis and customer understanding for automotive businesses.

One of my major projects is UniSeek, a 9-month MVP initiative supporting the SDG goal in education. It is a web app that helps Cambodian high school students connect with university mentors through scheduled one-on-one sessions. I've taken on multiple roles in this project:

- **Business Analyst:** using Trello, assist to assign the tasks to teammates and helped define the core problems and solutions, conducted user research, and designed surveys.
- **UX/UI Designer:** using Figma, conduct the analysis to map user journeys, designed wireframes, and supported the visual experience on survey part and schedule booking part.
- **Frontend Developer:** using Next.js, built a mentor dashboard and survey page, defined file structure, and managed payload handling.
- **Backend Developer:** using NestJS, developed logic to analyze survey results and generate a ranked list of top Cambodian universities.
- **Database Designer:** using PostgreSQL, designed relational database structures for the entire application.

Additionally, I am currently developing a **Chatbot web application with RAG architecture** as part of my final-year thesis at ITC. The project integrates Next.js for both the client and server, and it aims to explore conversational interfaces as a tool to assist users with common inquiries. This has further strengthened my skills in full-stack development, problem-solving, and system architecture.

Through these projects and my academic journey, I've become confident working with tools and frameworks such as HTML, CSS, Tailwind CSS, JavaScript, PostgreSQL, and full-stack technologies from the ground up.

Although my major is in Data Science, I am highly motivated to grow as a Full-Stack Developer. I enjoy solving real-world problems with technology and am always eager to take on new challenges. I believe this role would allow me to learn, grow, and contribute to public service through practical and innovative digital solutions.

Thank you for considering my application. I would be honored to be part of your team and support your mission for innovation and digital development.

Sincerely,

Nang Sreynich