

SOTHUN DARACHHAT

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Ou Bek K'om, Sen Sok, Phnom Penh

[Linkend](#)

[Github](#)

[Portfolio](#)

ECUCATION

Full-stack developer with hands-on experience in designing, developing, and deploying modern web applications using a diverse technology stack. Strong expertise in e-commerce platforms, healthcare appointment systems, and autonomous agents with reinforcement learning. Adept at working with both frontend and backend technologies, scalable architectures, and robust authentication mechanisms.

TECHNICALS SKILLS

Language	C, C++, Java, Python, JavaScript, TypeScript, PHP
Frameworks & Libraries	React, Node.js, Express, Laravel, Tailwind CSS, Vite
Other	REST APIs, Payment Integration, Authentication, Responsive UI/UX,

PROJECT

BuildByDarachhat - C2C E-commerce Website

Repository: [buildbydarachhat](#)

Demo: www.buildbydarachhat.social/

Technologies: Laravel (PHP), React (TypeScript), Tailwind CSS

- Built a modern consumer-to-consumer (C2C) e-commerce platform with robust user, vendor, and admin features.
- Implemented MVC system architecture pattern.
- Gained experience in designing and implementing robust role-based access control for users, vendors, and administrators.
- Implemented advanced role management for users, vendors, and administrators.
- Developed responsive UI components using Tailwind CSS and React.

RuppCare – Doctor Appointment Booking System

Repository: [Darachhat/RuppCare](#)

Demo: <https://rupp-care.vercel.app/>

Technologies: Vite, ReactJS, Node.js, ExpressJS, MongoDB, Tailwind CSS

- Developed a full-stack web application for booking medical appointments.
- Designed and implemented secure authentication mechanisms for doctors and patients.
- Built scheduling features for efficient doctor-patient appointment management.
- Ensured a modern, responsive, and user-friendly interface.

PROJECT

TOS – B2C E-commerce website

Repository: [Darachhat/online-clothing-store](https://github.com/Darachhat/online-clothing-store)

Demo: online-clothing-store-gamma.vercel.app

Technologies: Vite, ReactJS, Node.js, ExpressJS, MongoDB, Tailwind CSS

- Created a business-to-consumer (B2C) e-commerce web platform for clothing retail.
- Implemented product and order management, including an admin dashboard.
- Focused on mobile-friendly, scalable design for optimal shopping experience.

Autonomous Snake Game Agent via Reinforcement Learning

Repository: [Snake-Game-Autonomous-Agent-Via-Reinforcement-Learning](https://github.com/Snake-Game-Autonomous-Agent-Via-Reinforcement-Learning)

Technologies: Python

- Developed an autonomous agent for playing Snake using Q-learning and Deep Q-Learning (DQN).
- Leveraged neural networks for decision-making processes.
- Created visualizations for training progress and AI performance.
- Modular codebase for extensibility and experimentation in game AI.

ECUCATION

Royal University of Phnom Penh

B.A. in Information Technology Engineering

Expected Graduation, April 2026

Pannasastra University of Cambodia

English Diploma

Graduated, 2024

SOFT SKILLS

- Critical Thinking
- Team Collaboration
- Self-Learning
- Problem Solving
- Time Management

LANGUAGES

- Khmer (Native)
- English (Fluent)

OTHER ACADEMIC PROJECTS

- Graph Visualizer (Python): Distance mapping from Phnom Penh to provinces
- Binary Tree & Hashing Implementations in Python
- Database Normalization: Hotel Booking Receipt System
- SolidWorks Projects: Guest Room Table, Garden Bench
- RC Car Project: Remote control car using C and electronics
- Phone Management System in Java
- Weather Flutter App that displays real-time weather data using OpenWeatherMap API