PYAE HEIN

FINAL YEAR (COMPUTER SCIENCE)

CONTACT

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KEY SKILLS

- Problem solving and logical thinking
- Adaptable and Willingness to learn new technologies
- Teamwork and good communication
- Time management and responsibilities

EDUCATION

Polytechnice University (Myeik)

- Final Year (Computer Science)

LANGUAGE

- English - Intermediate

INTEREST

- Web & app development
- AI tools and Machine Learning fundamentals
- Building side projects

SUMMARY

Computer Science undergraduate specializing in full-stack web development, with hands-on experience building real-world projects using modern web technologies and tools such as React, Next.js, and Prisma. Interested in various areas of software development and eager to learn new technologies. Actively seeking a software engineering or developer internship opportunities to apply skills, gain industry experience, and grow under professional mentorship.

PROJECTS

Multi-Vendor E-commerce Platform

- Supporting product management, search, and authentication using Next.js, React, Prisma, and PostgreSQL.
- Designed relational database schema and implemented RESTful APIs for scalable product and user management.

Point Of Sale (POS) System

- Built using C# (.NET Web API) for the backend and React for frontend
- Designed and implemented database schema and APIs for products, sales, and users
- Implemented inventory level, checkout flow, basic authentication (Cashier, Admin) and using BarCodewin2 to solve not having barcode scanner

Computer Vision & Tesseract OCR Project

- Implemented block detection and sorting logic using x/y coordinates
- Designed a rule-based system to interpret blocks as drawing commands
- Converted recognized instructions into executable drawings using Python (Turtle)
- Focused on image preprocessing, contour detection, OCR accuracy, and parsing

Responsive Web Design Using Framer-motion (Frontend)

[Design]

- Designed Inventory System Process
- Designed Database Design For Social Media

SKILLS

- **Languages:** Python, JavaScript, TypeScript, SQL, C#
- **Frontend:** React, Tailwind CSS, Shadcn/ui
- **Backend:** Node.js, Prisma, Next.js, REST APIs
- **Database:** PostgreSQL, MySQL
- **Tools:** Git, GitHub, Docker

ACTIVITIES / ACHIEVEMENT

- ICT Project Show — Polytechnic University (Myeik)
- Participated in group-based software development projects