Khant Ti Nyane

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87th Street, Between 26th and 27th, Chan Aye Thar San Township, Mandalay, Myanmar

Professional Profile

I am a self-motivated and detail-oriented Frontend Web Developer with a strong foundation in designing and developing interactive, user-friendly, and responsive websites. Proficient in modern web technologies such as HTML5, CSS3, JavaScript, React, Bootstrap, and jQuery, I specialize in crafting visually appealing interfaces and seamless user experiences.

With hands-on experience in IoT systems and web-based SCADA control, I bring a unique blend of creativity and technical expertise to solve complex problems. My background in engineering has honed my ability to integrate frontend technologies with backend services and database management systems like MySQL and Firebase.

Driven by a passion for continuous learning, I thrive in collaborative environments where I can leverage my skills to build impactful web solutions. Committed to writing clean, maintainable code, I aim to deliver projects that meet client expectations while adhering to the latest industry standards and best practices.

Academic Background

Bachelor of Computer Science (2024-present) (Online Course)
University of People (Pasadena, USA)

Bachelor of Engineering in Electronics Engineering (2024)
Mandalay Technological University(MTU)

> Achievements: Graduated with excellent credits, completed Smart Water Distribution System with Customized Web Based SCADA System as graduation thesis

> Relevant Modules: Microelectronic Devices and Circuits, Digital Electronics, Circuit Theory, Networks and Communications, Integrated Electronics, Engineering Electromagnetic, Signals and System, Modern Control System, Electromagnetic Theory and Wave, Power Electronics, Automation Technology, Digital Image Processing, Computer Architecture and Engineering

Work Experience

Freelance Web & IoT Developer (2022-present)

Designed and implemented IoT-based solutions, integrating microcontrollers and sensors for real-time monitoring and control and developed responsive and interactive web applications using HTML, CSS, JavaScript, and PHP, with MySQL database integration.

Electrical Engineer at Logic Master Co., Ltd. (2022-present)
A skillful and outperforming electrical engineer in Panel Design & Installation for industrial applications ensuring high quality, efficient and safe system and experienced in PLC and HMI Programming, developing and troubleshooting automation solutions tailored to client needs.

Part-time Solar Energy System Engineer at Solar Pro Engineering Co., Ltd. (2019-present)
Led a team for a rural electrification project in collaboration with the World Bank, conducting site surveys, educating the local community, introducing the company to build trust, and successfully implementing the project
Designed and installed solar energy systems, including panel configurations, inverters, and battery storage solutions
Assisted in project planning and implementation, ensuring compliance with safety and industry standards.

Embedded Developer Internship at Everything Electronics Co., Ltd (2019-2020)
Assisted in designing and programming PIC microcontroller control systems for water automation and IoT-based smart home systems.
Developed and proudly showcased Machine Learning-based Crawler Robots at Makerfest Myanmar 2020 at American Center

Industrial Automation Engineer Internship at Logic Master Co., Ltd (2018-2019)
Gained hands-on experience in programming PLC, designing and developing industrial electrical control systems, focusing on automation, system efficiency, and reliability.

Electronics Engineer Internship at Logic Master Co., Ltd (2018-2019)
Developed electronic products, including an automatic generator control system, a paper-cutting machine, and an emergency alarm system, utilizing microcontrollers and digital circuits

Additional Experiences

- *Industrial Automation Instructor (2020-2022)*

- *Embedded Electronics Instructor (2019-2021)*
- *Industrial Automation and Electronics Engineering Intern at Logic Master Co., Ltd. (Electronics and Electrical Engineering) (2021-2022)*
- *Embedded Electronics Developer Intern at Everything Electronics Co., Ltd (2019-2020)*

Expertise

- *Web Development (HTML, CSS, JavaScript(ES6), Bootstrap, jQuery, MySQL, Firebase, React, API, PHP)*
- *Various UIUX frameworks*
- *Database Management System*
- *Embedded Electronics*
- *Industrial Automation (Electronics & Electrical)*
- *C++, Assembly, Python, MATLAB, PLC, HMI, SCADA*
- *AutoCAD and AutoCAD Electrical*
- *Designing Motor Control and Panel Fabrication*
- *Arduino, PIC, STM32, Esp8266, Esp32 and other microcontrollers*
- *Various PLC (Siemens, Mitsubishi, Delta, Hp mount) Series and other industrial controllers*
- *Various HMI and PC based SCADA system*

Achievements and Certification

- *United People Global Sustainability Leader (2024)*
- *Web Development Foundation Course at DataLand Technology Co.,Ltd (2021-2022)*
- *Advanced Web Development Course at DataLand Technology Co.,Ltd (2022-2023)*
- *Embedded Programming Course at Techno Halo Engineering Training Center (2018)*
- *Basic Electronics and Applied Programming Course at Logic Master Co., Ltd. (Electronics and Electrical Engineering)(2019)*
- *Automation Engineering Course at Logic Master Co., Ltd. (Electronics and Electrical Engineering)(2019)*
- *Basic Networking Fundamentals Course at Techno Net Training Center(2020)*