

# KOK YU YUAN

BACHELOR OF COMPUTER ENGINEERING

## CONTACT

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## SKILLS

### Programming language:

- C/C++
- Python
- Verilog
- Assembly

### Hardware & Digital Design:

- VLSI Design
- STM32
- Arduino UNO
- NXP LPC1768

### Tools & Technologies:

- Kali Linux
- MATLAB
- Xilinx Vivado
- MongoDB
- Git
- TensorFlow/PyTorch,

## LANGUAGES

- English - Proficient
- Malay - Proficient
- Chinese -Fluent



## PROFILE

Detailed-oriented Computer Engineering student at the University of Technical Malaysia Malacca, seeking an internship opportunity in full-stack development, software engineering, and cloud-based solutions. Passionate about VLSI, digital circuits, and embedded systems, with hands-on experience in Python, Verilog, and C/C++. Eager to apply my knowledge in modern software development practices, including unit testing, version control (Git), and cloud integration, to build innovative and high-performance applications. Internship may start from 21<sup>st</sup> July 2025, duration can be 10 to 12 weeks.



## EDUCATION

Universiti Teknikal Malaysia Melaka

Bachelor of Computer Engineering with Honours (Current CGPA: 3.87)

Expected Graduation: 2026

Dean's List Award (Achieved for 5 Consecutive Semesters)



## PROJECT EXPERIENCE

### 1. Fine-Tuning AI Model

- Fine-tuned a Llama 2 model on a Kaggle dataset for creative writing generation.
- Utilized Python, TensorFlow/PyTorch, Unislot, and Hugging Face Transformers to train and optimize the model for improved performance

### 2. Text-Based Game Using RESTful API

- Developed a turn-based text game with a Node.js and Express.js backend.
- Designed and implemented RESTful API endpoints to manage game logic, player actions, and state transitions efficiently.

### 3. Embedded System with IoT Visualization

- Designed and built an ultrasonic distance measurement system using STM32 and ThingSpeak.
- Developed a real-time IoT dashboard for monitoring distance values.
- Implemented LED indicators to reflect distance ranges dynamically.