

KOK YU YUAN

BACHELOR OF COMPUTER ENGINEERING

CONTACT

☎ 011-36626848

✉ yuyuankok@gmail.com

📍 28, Jalan Sejahtera, Desa Lawan Kuda, 31600, Gopeng, Perak, Malaysia

🌐 <https://www.linkedin.com/in/kok-yu-yuan-4aab0733a/>

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

Detail-oriented Computer Engineering student at the University of Technical Malaysia Malacca, seeking an internship opportunity in n 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 21st 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, Unsloth, 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.