Yashan

Motivated and enthusiastic college student seeking an internship opportunity to gain hands-on experience in the field of Engineering. Possess a 4.0 GPA and a scholarship for academic excellence in Mechatronics and Robotics. Strong problem-solving and analytical skills honed through group projects and individual assignments in university coursework. Skilled in communication and eager to apply academic knowledge and skills to real-world challenges. Passionate about making a positive impact and eager to learn and grow in a professional setting.

Skills

- **Proficient in many programming languages.**
- **Experienced in using tools like GIT and VS Code**
- **Proficient in web development, machine learning and embedded systems.**
- **Ability to work independently and as a team.**
- **Strong communicator with good interpersonal skills.**
- **Good at Problem Solving and Analysis**

Projects

SAP API

- Created an API interface for the game Super Auto Pets.
- Automated the web browser and utilized image processing and text recognition with OpenCV and Tesseract to extract game data.
- Implemented Server-Client Architecture with Sockets and TCP for remote access and control of game, aiding AI developers.
- Developed functionality enabling any game action and retrieval of game information for AI creation.
- Demonstrated skills in web automation, computer vision, and API development, as well as creativity in innovative solutions.
- Took ownership of project from conception to completion, working independently to create a complex system.

Traffic Light System

- Designed & coded traffic light system with VHDL/Xilinx ISE for CPLD, meeting project requirements.
- Implemented digital design concepts like state machines & clocking for reliable timing.
- Demonstrated proficiency in VHDL & Xilinx ISE, applying theoretical concepts to practical apps.
- Showcased problem-solving skills & ability to troubleshoot/debug project issues.
- Effectively worked with digital circuits & systems to meet project requirements.
- Worked closely with team to create a functional system with accurate traffic light timing.

See more In my portfolio...

Education

Swinburne University of Technology

- **2021 – Current**
- **Course:** Bachelor of Engineering
- **Major:** Mechatronics and Robotics
- **GPA:** 4.0

Swinburne University of Technology

- **2020 – 2021**
- **Course**: Swinburne Foundation Year for Engineering
- **GPA**: 4.0

IGCSE - International General Certificate of Secondary Education

- **2016 – 2019**
- **GPA:** 3.9

IELTS - International English Language Testing System

- **2019**
- **Score:** 8/9