Yasrizal Hakim Bin Yaresham

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EDUCATION

UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTEM)   Melaka, Malaysia
Bachelor of Computer Science (Software Development)   Expected 2025
- Major in Software Development
- Cumulative CGPA: 3.52/4.0
- Relevant Coursework: Software Engineering, Data Structures, Algorithms, Mobile Application Development, IoT Systems

UNIVERSITI TEKNIKAL MALAYSIA MELAKA (UTEM)   Melaka, Malaysia
Diploma in Computer and Electronic Engineering   Jun 2019 - Jun 2023
- CGPA: 3.54/4.0

WORK EXPERIENCE

INARI AMERTON PLANT 13   Melaka, Malaysia
Testing Engineer Intern   2022 - 2023

- Conducted daily testing, calibration, and basic maintenance on manufacturing machines to ensure 100% operational efficiency
- Collaborated with engineering team to troubleshoot technical issues, improving overall production efficiency by identifying and resolving equipment malfunctions
- Developed systematic testing procedures that reduced machine downtime and enhanced quality control processes

SMK SERI HARTAMAS   Kuala Lumpur, Malaysia
Senior Assistant, Robotics Club   2017 - 2019

- Organized and managed weekly club sessions for 30+ students by coordinating electronic components inventory and supporting student project teams
- Represented school in 2018 NRC inter-school robotics competition, demonstrating leadership and technical problem-solving skills
- Mentored junior students in electronics fundamentals and programming concepts

UNIVERSITY PROJECTS

IoT ENERGY MONITORING SYSTEM   2023

- Developed comprehensive IoT system integrating web and mobile applications for real-time energy monitoring and control in 4-person team
- Implemented real-time data visualization and remote-control capabilities using React.js, Firebase, and Arduino
- Won 2nd Place in UTEM Workshop 2 Competition out of 50+ teams for innovative system design and effective project execution

IoT GAS & FIRE DETECTION SYSTEM   2022

- Designed and implemented IoT-based safety system to detect gas, fire, and temperature using Proteus, Multisim, and Arduino IDE
- Created comprehensive circuit design and programming solution for real-time hazard detection
- Awarded Bronze Medal in INOTEK Competition for technical innovation and attention to safety protocols

LEADERSHIP & ACTIVITIES

NRC INTER-SCHOOL COMPETITION   Kuala Lumpur, Malaysia
Team Representative 2018   2018

- Competed in national robotics competition representing SMK Seri Hartamas

- Demonstrated advanced technical skills in robotics programming and mechanical design

UTEM ROBOTICS & IoT COMPETITIONS   Melaka, Malaysia
Active Participant   2022 - 2023

- Consistently participated in university-level technical competitions

- Achieved multiple awards including Bronze (INOTEK) and 2nd Place (Workshop 2 Competition)

ADDITIONAL

Technical Skills: Advanced in Java, JavaScript, Python, C, HTML/CSS; Proficient in React.js, Android Development, Arduino Programming, ESP32, MQTT Protocol, REST API Development
Development Tools: Firebase (Firestore, Realtime Database, Authentication), Capacitor, Android Studio, Arduino IDE, Proteus, Multisim
Languages: Fluent in English (MUET Band 4) and Malay
Certifications & Achievements: Bronze Medal - INOTEK Competition (2022), 2nd Place - UTEM Workshop 2 Competition (2023), NRC Inter-school Competition Representative (2018)