Thomas John Shelby

Artificial Intelligence Engineer | Data Scientist
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EDUCATION

TUNKU ABDUL RAHMAN UNIVERSITY OF MANAGEMENT AND TECHNOLOGY   Penang, MY
- **Bachelor of Computer Science (Honours) in Data Science**   July 2022 - Current
- **CGPA: 3.94**
- Coursework: Data Structure and Algorithms, Database Management, Data Visualisation, Data Warehouse Technology, Data Engineering, Machine Learning, Artificial Intelligence, Mobile App Development
- **Projects**: Face Detection Application, Image Classification, Bahasa Rojak Sentiment Analysis, Music Preference Binary Classifier, Business Analytics Reports with SQL.

PENANG SKILLS DEVELOPMENT CENTER   Penang, MY
- **Diploma in Mechatronics Engineering**   April 2019 – December 2021
- **CGPA: 3.58**
- Coursework: Programmable Logic Controllers, Advanced CAD Techniques, Microcontrollers.

WORKING EXPERIENCE

Artificial Intelligence Engineer Intern | Innov8tif Solutions Sdn. Bhd.   Nov 2024 - Current
- Responsible for model training to (1) Strengthen eKYC Modules against digital presentation attacks and fraud, (2) Enhance MyKad Landmark Detection for robustness against occlusions and verification reliability.

EV3 Robotics Trainer (Part Time) | Robot2U Robotics   Jan 2021 - May 2024
- Responsible for teaching and guiding students in the fundamentals of robotics using the LEGO Mindstorms EV3 platform. My role involved designing and delivering engaging and educational sessions that combined theoretical concepts with hands-on practice.

Testing Equipment Technician (Internship) | Inari Sdn. Bhd.   Jul 2021 - Dec 2021
- Ran daily Calibration Checks on Turret System Automated Testing Equipment. Analyse and troubleshoot testing equipment if they've failed their standard checks.

SKILLS AND LANGUAGE

Programming Languages: SQL | Python | C++ | Java | HTML | CSS | R | Kotlin
Software: Visual Studio | Jupyter Notebook | MySQL | Linux | Ubuntu | Hadoop | Kafka
Languages: Chinese (Native) | English (Fluent) | Malay (Basic)
Interests: Natural Language Processing, Large Language Models, Agentic AI

REFERENCES

Dr. Lim Yin Yin
Deputy Branch Head & Associate Professor, TARUMT Penang
Tel: (Available Upon Request)
Email: (Available Upon Request)