



ZAABA AHMAD

AI RESEARCHER & TECHNOLOGIST

CONTACT

- +60 17-2988 287
- zaaba.ahmad@uitm.edu.my
- Tapah, Perak, Malaysia
- [zaabaahmad2484]

EDUCATION

Doctor of Philosophy (PhD)
Comp. Science, UiTM | 2025

Master of Science
Comp. Science, USM | 2015

Bachelor of Science
Comp. Science, UTM | 2011

Diploma
Comp. Engineering, PUO | 2005

TECHNICAL PROFICIENCY

Languages & Frameworks

- Python (PyTorch/TensorFlow)
- C++ Programming
- Hyperledger Fabric (Blockchain)
- YOLO / DeepLabV3+

Specialized Tech

- LiDAR & Remote Sensing
- UAV/Drone Photogrammetry
- Digital Twin Integration

Management

- R&D Project Leadership
- Strategic Grant Management

PROFESSIONAL OVERVIEW

I am an Academician and AI Researcher with a unique background in computer engineering and advanced academic research. My work focuses on building practical AI solutions, ranging from emotion-aware systems to secure, autonomous infrastructure monitoring using LiDAR and Blockchain. With a portfolio of over RM500,000 in research grants, I specialize in turning complex data into real-world applications and am actively seeking collaborations to develop impactful Smart City and Digital Twin technologies.

WORK EXPERIENCE

Senior Lecturer / Researcher

Universiti Teknologi MARA (UiTM) | 2016 – Present

Spearheading R&D in AI for Mental Health and Smart Systems while delivering advanced courses in Machine Learning and Computer Vision.

- Secured and managed research grants totaling over RM500,000, including a high-impact national grant for AI-driven infrastructure auditing and Blockchain-based contract automation.
- Technical Consultant for public and private sectors on Digital Twin technologies, Smart City planning, and automated asset validation using LiDAR and Deep Learning.

Product Design Engineer

Intel Microelectronics (M) Sdn Bhd | 2006 – 2013

Executed product design, validation, and technical problem-solving for Intel development semiconductor products.

- Managed asset lifecycles and complex technical projects, ensuring compliance with rigorous industry standards.
- Provided technical advisory and process optimization for cross-functional engineering teams.
- Specialized in validation test logic and hardware-software integration for new product introduction.