

# Dayan Perera

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## EDUCATION

Monash University

Malaysia

**Postgraduate:** Doctor of Philosophy

*Graduation Date: 2028*

- **Thesis:** Deep Learning for the Segmentation of Acute Ischemic Stroke using MRI's and CT scans.

**Postgraduate:** Masters of Artificial Intelligence

*Graduation Date: 2024*

- GPA: 3.1
- Weighted average mark: 76
- Relevant coursework: Malicious AI, Deep learning, Machine learning
- **Thesis:** Segmentation of new Multiple Sclerosis lesions

**Undergraduate:** Computer science in Data science

*Graduation Date: 2023*

- GPA: 3.5
- CGPA: 3.794
- Weighted average mark: 78
- Relevant coursework: Algorithms and Data structures, Deep Learning, Final Year Project, Object Oriented Design and Implementation, Mobile Application Development

**Scholarship:** Received Monash High Achiever Award with the only exception being the final semester.

## Publications

**Cryptocurrency Analysis: Price**

**Monash**

**Prediction of Cryptocurrency Using User Sentiments and Quantitative Data**

**Venue:** ICCART 2024

**Status:** Published

*Feb 2024*

**DOI:** 10.5220/0012315100003636

**Feasibility of Neural Radiance Fields for**

**Monash**

**Crime Scene Video Reconstruction**

**Venue:** Arxiv

*July 2024*

**Status:** Pending

**Link:** <https://doi.org/10.48550/arXiv.2407.08795>

## WORK EXPERIENCE

Monash University Malaysia

Malaysia

*Class Assistant for FIT5047: Fundamentals of AI*

*March 2025 - Present*

- Assisting the tutor with delivering the lab concepts to students and assisting students with their doubts.
- Monitoring the ED forum and responding to student's queries.
- Assisting lecturers and tutors in interviewing assignment groups and marking assignments.

*Class Assistant for FIT2099: Object Oriented Design and Development*

*July 2023 - November 2023*

*Feb 2024 - Present*

- Assisting the tutor with delivering the lab concepts to students and assisting students with their doubts.
- Monitoring the ED forum and responding to student's queries.

- Assisting lecturers and tutors in interviewing assignment groups and marking assignments.

### **ProximaX(Startup)**

**Malaysia**

*Software developer intern*

*Nov 2022 - March 2023*

- Improved the Sirius Mobile Wallet by integrating the Sirius ID and NFT management and viewer features.
- Designed flow diagrams for Sirius ID integration.

### **Monash University Malaysia**

**Malaysia**

*Peer mentor*

*Oct 2021 - Nov 2021 & July 2022 - August 2022*

- Worked with a partner mentor to a group of freshman mentees, purpose was to assist new students with the process of settling down into university lifestyle and getting used to university in general.
- Worked as a mentor on two occasions to two separate groups. Once in 2021 and once in 2022.

## **SKILLS & INTERESTS**

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### **Skills:**

*(**Proficient**) Javascript, Python, Typescript, React, Git (**Familiar**) Ionic, Angular, Tensorflow, Keras*