



## Kadipa Aung Myo Han

Algorithm Engineer

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An independent and self-motivated data enthusiast who is passionate about Artificial Intelligence, Computer Vision, Machine Learning, Deep Learning, and Natural Language Processing. I am knowledgeable in Machine Learning with a solid background in computer science. A strong link between theory and practical from master's degree, bachelor's degree, internships, programming contests, Hackathons, and part-time TA jobs.

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### Work Experience

#### Algorithm Engineer

Six Atomic Pte. Ltd. - Bangkok  
February 2022 to Present

##### Project Name - Syn[2.0]

Project Description - Automatic Clothing Pattern Grading

Responsibilities:

- Create and identify the data pattern schema
- Solving the problem with mathematical formula and coding
- Testing algorithm performance against expectations
- Deploying the mathematical models and machine learning models as FAAS

#### Data Scientist

HexCode Technologies Inc. - Yangon  
January 2021 to December 2021

##### Project Name - Houslyze

Project Description - House Sale Data Demand Forecasting

Responsibilities:

- Data preparation and exploration
- Data analysis and visualization presentation
- Building Machine Learning Models for Prediction of Properties
- Validation of different modules for accuracy
- Evaluation of the models

### **Project Name - Dreams Have No Boundaries(DHNB)**

**Project Description- Multiple Learning Systems Platform**

**Responsibilities:**

- Setting up a learning system (Moodle with Nginx, PostgreSQL) and creating a default docker image to reuse for other learning systems
- Adding the pre-set data and plugins to the learning system
- Creating a python API to extract data from Learning Systems
- Creating a data dashboard for extracting data to analyze and visualize
- Evaluation of the performances of students and teachers

### **Teaching Assistant**

International College, KMITL - Bangkok

August 2018 to December 2018

Subject: Distributed Computing

Lecturer: Dr. Yunyong Teng-amnuay

### **Intern**

Vision to motion Co., Ltd - Yangon

May 2017 to September 2017

### **Project Name - Myanmar E-lottery Project**

**Project Description- Creating E-lottery Project with Ruby on Rails**

**Responsibilities:**

- Surveying the data from lottery shops
- Designing the system flow with teammates
- Managing the system backend
- Deploying and hosting the system on the server

### **Research Intern**

Bindez Pte Ltd - Yangon

June 2016 to December 2016

### Project Name- Thadin App

Project Description- Classify the News's Categories for Burmese Language

Responsibilities:

- Solving the code errors of Myanmar Language Preprocessing Tool (Detector, Converter, Word Segmentation Tool)
- Testing the Myanmar Hate Speech Comments System

## Field Study Student

Myanmar Computer Federation (MCF)

November 2016 to November 2016

### Project Name: Myanmar Unicode Migration

Project Description: To get knowledge and experiences from MCF

Responsibilities:

- Creating Myanmar Unicode to Zawgyi Font Converter

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## Education

### Master of Engineering in Computational Intelligence Systems (International Program) King Mongkut's Institute of Technology Ladkrabang - Bangkok

August 2018 to July 2020

- Received Fully Funded International College Scholarship
- Member of KMITL Computer Vision Lab, International College
- Published two international conference papers

### Bachelor's in Computer Science (Knowledge Engineering) University of Information Technology - Yangon

December 2012 to September 2017

- Completed professional development in big data management.
  - Participated in UIT's open campus, ACM ICPC Programming Contest(Asia Yangon Regional), and UniHack Challenge Hackathon
  - University Projects: Diseases Classification for Paddy Plant, Nearest Delivery System Business Plan, Myanmar Language Segmentation Tool
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## Skills

- Machine Learning
- Analytical Thinking
- Data Analytics
- Computer Vision
- Deep Learning
- Active Learning
- Data Modeling
- Natural Language Processing
- Python
- Problem Solving
- Data Visualization
- TensorFlow

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## Scholarships

### **KMITL International College Graduate Scholarship in conjunction with Financial Support for Research Students**

July 2018

Fully Funded Scholarship For Master's Degree

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## Certifications and Licenses

### **Information Technology Passport Examination (IP)**

October 2015 to Present

<https://itpec.org/about/itpec-common-exam.html>

### **Big Data Management Course**

September 2016 to Present

<https://www.acromyanmar.com/>

### **Fundamental Information Technology Engineers Exam (FE)**

April 2017 to Present

<https://itpec.org/about/itpec-common-exam.html>

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## **Publications**

### **Classification of Nutrient Deficiency in Black Gram Using Deep Convolutional Neural Networks**

<https://ieeexplore.ieee.org/document/8864224>

16th International Joint Conference on Computer Science and Software Engineering (IJCSSSE), 2019.

### **Black Gram Plant Nutrient Deficiency Classification in Combined Images Using Convolutional Neural Network**

<https://ieeexplore.ieee.org/document/9077473>

8th International Electrical Engineering Congress (iEECON), 2020.