



# AUNG KAUNG MYAT

Doctoral Student

## CONTACT

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## LANGUAGES

- Burmese ●●●●●●
- English ●●●●●●
- Japanese ●●●●●●
- French ●●●●●●

## SKILLS

- Python ██████████
- Arduino ██████████
- PyTorch ██████████
- TensorFlow ██████████
- TinyML ██████████
- C++ ██████████
- Rust ██████████
- Linux ██████████
- Docker ██████████
- Kubernetes ██████████
- AWS ██████████
- Azure ██████████

## SUMMARY

Self-motivated and detail-oriented individual with a background in artificial intelligence, network engineering and sensing. Currently studying for a doctoral program at the Telecom SudParis, Institute Polytechnique de Paris. Passionate about artificial intelligence, sensing, Internet of Things systems, and Digital Twin. Currently, working on general-purpose sensing for digitization of environment to assist Digital Twin creation for Smart Cities applications. Love to challenge myself and team up with others to solve problems.

## WORK EXPERIENCE

### Researcher

#### Telecom SudParis

DICE Lab

Evry, France

Duration: 10 months

#### Main Tasks and Responsibilities:

- Involve in **DOCTE6G** Project from BPIfrance to elaborate the use cases of Digital Twin in the development of 6G antennas and 6G networks.
- Participate in the **C2JN**: Digital Twin for Cloud Continuum Project from BPIfrance, focusing on creating Digital Twins and developing AI models to predict traffic patterns in Smart Cities.

1<sup>st</sup> Aug 2023 - Present

### Intern

#### Telecom SudParis

DICE Lab

Evry, France

Duration: 6 months

#### Main Tasks and Responsibilities:

- Develop a prototype for edge device with microphones and general-purpose sensors to monitor the traffic intensity and environmental condition of the road.
- Make audio sample dataset and trained vision-transformer-based models for vehicle detection and counting.
- Evaluate the model performance based on f1-score, mean vehicle counting error, and total computation time for detection.

1<sup>st</sup> Feb 2023 - 31<sup>st</sup> July 2023

### Embedded System Engineer

#### MyanBagan

Research and Development Department

Yangon, Myanmar




Duration: 7 months

#### Main Tasks and Responsibilities:

- Troubleshoot and debug the prototype board for solar and grid hybrid inverter.
- Develop and design home intelligent alarm system.
- Build and test smart lighting system.

1<sup>st</sup> Jan 2021 - 31<sup>st</sup> July 2021

## INTEREST

-  Artificial Intelligence
-  Digital Twin
-  Robotics

## HOBBIES

- Watching Documentaries
- Making DIY electronics
- Playing Badminton

## ACTIVITIES

- Participated in Global Korean Scholarship ASEAN Science and Engineering Program, 2016.
- Participated in ITPEC Top Gun Program, Japan, 2015.
- Participated in Sixth Science Conclave in Allahabad, India, 2013.

### Research intern

KDDI Research Inc.

Smart Security Laboratory

Tokyo, Japan

Duration: 3 months

#### Main Tasks and Responsibilities:

- Compare the performance of clustering algorithms on IoT traffic dataset.
- Perform anomaly detection in IoT network using clustering algorithm.
- Write a research paper on anomaly detection in IoT network.

1<sup>st</sup> Nov 2019 - 31<sup>st</sup> Jan 2020

## EDUCATION

### Doctoral Program

PhD in Computing, Data and Artificial Intelligence

Telecom SudParis, Institute Polytechnique de Paris

3<sup>rd</sup> Nov 2023 - 31<sup>st</sup> Nov 2026

### Dual Degree Master's Program

M.Sc in Data Science and Network Intelligence

Telecom SudParis, Institute Polytechnique de Paris

3<sup>rd</sup> Aug 2021 - 31<sup>st</sup> Jul 2023

### M.Sc in IoT Systems engineering

Asian Institute of Technology

Grade 3.67 / 4.0

### Master of Computer Technology

Master Exchange

Aoyama Gakuin University, Japan

Grade AA / AA

1<sup>st</sup> Dec 2017 - 31<sup>st</sup> Jan 2020

### Specialize in Communication and Networking

University of Information Technology, Myanmar

Remark: Dropout

### Bachelor of Computer Technology

Specialize in Communication and Networking

University of Information Technology, Myanmar

Grade A / A+

3<sup>rd</sup> Dec 2012 - 12<sup>th</sup> Nov 2017

## PUBLICATIONS

Traffic Intensity Detection Using General-Purpose Sensing, IEEE Sensors Letters Sept 2023

FastQ: QoS Control Based on the Time Sequence of First Few Packets, 27th ICCCN July 2018

## CERTIFICATES

Azure Cloud Fundamentals Dec 2020

Natural Language Processing Specialization (Coursea) Oct 2020

Deep Learning Specialization (Coursea) Aug 2020

Fundamental IT Engineering Exam (ITPEC) Jun 2016

IT Passport Exam (ITPEC) Jun 2015