

# Machine Learning AI ENGINEER

## Lin Hlaing

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### Summary

- Skilled AI development with more than 3 years of experience developing AI programs using Python.
- TensorFlow and Keras. A solid history of developing object detections and image processing using machine learning in Japan Company.
- Developed scalable and maintainable web applications through the complete Software Development Life Cycle with Agile methodologies.
- Proficient in using technologies such as Java, Spring boot, Hibernate, REST, and PostgreSQL.
- Experienced in implementing a custom Spring Framework adhering to SOLID principles, mirroring Spring Boot's functionality. Skilled in dependency injection, value injection, and profiles management. Demonstrated ability to deliver high-quality, scalable solutions.
- Experience in implementing the Model-View-Controller (MVC) architectural pattern to enhance flexibility and reusability by separating user interface (View), data processing (Controller), and data representation (Model) components.
- Committed and dedicated team player with a solution-driven approach to getting things done.
- Known for being hardworking, solution-oriented, and dedicated to achieving project goals.
- Skilled at collaborating effectively within cross-functional teams.
- Able to adapt in fast-paced environments, prioritize tasks, and coordinate with diverse team members to efficiently achieve project milestones

### Technical Skills

- **Languages:** Java, Python, PHP
- **Machine learning algorithm:** Supervised learning, Classification, Unsupervised Learning, Decision Tree, Natural Language Processing, Computer Vision, Machine Learning, or Deep Learning
- **Web:** HTML5, CSS3, Thymeleaf, Bootstrap, JavaScript, React, TypeScript, Express
- **Web Services:** REST, AWS, Google Cloud
- **Web Server:** Apache,
- **Web Framework:** Spring boot, Hibernate, Django, Flask
- **Big Data & Distributed Systems:** Apache Spark, Hadoop, HDFS, MapReduce
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Design Patterns:** Singleton, Command, State, Strategy, Observer, Template, Adapter, Factory
- **SDLC:** Agile / Scrum
- **Tools:** Maven, Eclipse, IntelliJ, PyCharm, Visual Studio Code, Visual Studio, Postman, Git, StarUML
- **Platforms:** Windows, Linux, Mac OS

## Professional Experience

### Machine Learning Engineer, GLOBAL WALKERS AI Development Company

08/2022 – 11/2022

- Developed object detection projects.
- Utilized YOLOv5 to configure and use AI for detecting items left behind within a building.
- Trained the system for item detections using YOLOv5.
- Validated the results using multiple testing methodologies.
- Implemented the object classification using YOLOv5 model.
- Collaborated with team members on new ways to build features.

**Technologies Used:** Python 3.9, YOLOv5, Keras, TensorFlow

### Software Developer, MATSUSAKA E.D.P CENTER CO., LTD

05/2020 – 02/2022

- Developed data science projects and Built websites.
- Enhanced the performance of the existing survey project using PHP, troubleshooting and implementing improvements.
- Utilized Keras, TensorFlow, OpenCV, and the Wpod-net model to implement object detection.
- Utilized Keras, TensorFlow, OpenCV, and the KNN model for japanese character recognition implementation.
- Developed responsive UI and CSS design for japanese license plate project using Django and Bootstrap.
- Implemented object classification using the YOLOv3 model.
- Developed Speech Recognition using the Web Speech API.
- Trained YOLOv3 detection models with different datasets.

**Technologies Used:** Python 3.8, Java SE 18, Keras, TensorFlow, OpenCV, Django, YOLOv3, NumPy, HTML, CSS, Bootstrap, JavaScript, PHP 8.1

### Software Developer, SUNMELX CO., LTD

07/2019 – 03/2020

- Implemented the Detection of social groups in a crowd project with a team.
- Technical Analysis with other developers on project requirements.
- Researched the dataset for testing.
- Implemented the Python code to build the codebase.
- Validated the outcomes through rigorous testing.

**Technologies Used:** Python3.8, Keras, TensorFlow

## Academic Project

### Student-Policy-Management

Developed a full-stack web application using React and Express to manage academic policies with **2024** features like user authentication, secure API interactions, policy voting, and category-based organization, ensuring a responsive and user friendly interface.

### Weather Data Streaming Application

This project involves real-time weather data streaming using Apache Kafka, Apache HBase, and Apache Spark **2024** for data processing and storage.

### Built my portfolio in the AWS cloud Maharishi International University

**2024**

Build the portfolio website using HTML and CSS. Deploy it in S3. Put CloudFront in front of the S3 bucket. Build the back-end API using serverless services: Lambda, DynamoDB, API Gateway, SNS, SQS, and/or S3. Buy a domain name and configure that in Route53.

### A custom Spring Framework adhering to SOLID principles, mirroring Spring Boot's functionality.

**2023**

Developed a custom Spring Framework adhering to SOLID principles, featuring instantiation of @Service annotated classes and dependency injection via @Autowired. Additionally, supported field, setter, and constructor injection, with @Qualifier for field injection by name. Facilitated value injection from application.properties. Organized application

structure akin to Spring Boot, packaged into a separate JAR file. Implemented profiles management, scheduling with @Scheduled, and cron expressions support. Integrated event-driven architecture and asynchronous methods using @Async.

**Quiz Management System Maharishi International University** **2023**

Quiz Management System enabled professors to set up quizzes for students, check answers, and compute students' scores automatically. The frontend was developed using JavaFX and the backend with Java.

**Online Retail System. Maharishi International University** **2023**

The system involves admin, user roles, and spring security. Admin can manage the product and user can order, view the products, and pay the order using REST API calls. Utilized REST API, Spring Boot, Maven, PostgreSQL, Hibernate.

**Online shop Maharishi International University** **2023**

The system enabled customers to browse, purchase and review the product with UI. Utilized Spring Boot, Thymeleaf, MySQL, Hibernate

## Education

**Maharishi International University, Fairfield, Iowa,**  
**Master's degree in computer science**

**01/2023 – 10/2025**

Key Courses: Fundamental Programming Practices, Modern Programming Practices, Enterprise Architecture, Software Engineering, Algorithm, Advanced System Design, Cloud Computing, Big Data Analytic, Big Data Technology

**University Of Information Technology**  
**B.S. in Computer Science**

**12/2014– 11/2019**

## Professional Development & Certifications

- **AWS Certified Developer – Associate**
- **Supervised Machine Learning: Regression and Classification**
- **Advanced Learning Algorithm**
- **Linear Algebra for Machine Learning and Data Science**
- **Fundamental Information Technology Engineer Examination in October 2017 hosted by ITPEC, Japan.**
- **Big data IoT/Pentaho training held by Hitachi Myanmar Lab**