Lin Hlaing

MACHINE LEARNING ENGINEER

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Career Summary

Skilled AI developer with more than 2 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.

Career Note

Completed on-campus studies and currently taking distance education courses to complete a master's degree in computer science (Available for full-time, W-2 employment).

Professional Experience

GLOBAL WALKERS (MYANMAR) CO., LTD | AI Engineer   08/2022 – 11/2022

AI Development Company. Yangon, Myanmar

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, YOLOv5, Keras, TensorFlow*

MATSUSAKA E.D.P CENTER CO., LTD | Software Developer (Remote)   05/2020 – 02/2022

Web Development Company. Matsusaka, Japan

Developed data science projects and Built websites.

- Troubleshooted and enhanced existing Tax Payment System performance using C#.
- Developed the website using Django and PHP.
- Implemented object detection using Keras, TensorFlow, OpenCV, and Wpod-net model.
- Implemented character recognition using Keras, TensorFlow, OpenCV, and KNN model.
- Implemented the object classification using YOLOv3 model.
- Implemented Speech Recognition Using the Web Speech API
- Trained YOLOv3 detection models with different datasets.

Technologies Used: *Python, Java, Keras, TensorFlow, OpenCV, Django, YOLOv3, NumPy, HTML, CSS, Bootstrap, JavaScript*

Internship Experience

SUNMELX CO., LTD | Software Developer Intern   **07/2019 – 03/2020**

Software development Company. **Roppongi Minato-ku, Japan**

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: *Python, Keras, TensorFlow*

Academic Project

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, master's Science in Computer Science   **01/2023 – 10/2025**

Fairfield, Iowa. **Major: Computer Science**

Key Courses: Fundamental Programming Practices, Modern Programming Practices, Enterprise Architecture, Software Engineering, Algorithm, Advanced System Design

University Of Information Technology   **12/2014– 09/2019**

Yangon, Myanmar **Major: Computer Science**

Professional Development & Certifications

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

Technical Skills

- **Languages:** Java, Python, PHP
- **Machine learning algorithm:** Supervised learning, Classification, Unsupervised Learning, Recommenders, Reinforcement Learning, Decision Tree
- **Web:** HTML5, CSS3, Thymeleaf, Bootstrap, JavaScript
- **Web Services:** REST, AWS
- **Web Server:** Apache,
- **Web Framework:** Spring boot, Hibernate, Django
- **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