

THINLEY YESHEY CHODEN

Machine Learning Engineer | Data Scientist | Web Developer

[\[Linked in\]](#) [\[GitHub\]](#) [\[Profile\]](#) [\[Kaggle\]](#)

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Professional Summary

Motivated Final-year, Computer Science student seeking an internship from August, 2025 to February, 2026. Proficient in Python, R, Java, C, MySQL, HTML and CSS with hands-on experience in real-world problem-solving and collaborative development using GitHub. Familiar with Data Analytics, Web development, Database Management, Machine Learning Models using various tools, libraries and Frameworks. Currently developing a deep learning-based web platform for melanoma detection system as my Final Year Project with Deep Learning Model Integration. Quick to learn, adaptable, and eager to contribute to impactful, data-driven solutions.

Education

Bachelor of Computer Science (Honors)
Albukhary International University (AIU) | Data Science Specialization

Alor Setar, Kedah, Malaysia
Expected Graduation: April, 2026

- Cumulative GPA: 3.91/4
- Award: Continuous Dean's List Awardee

Relevant coursework:

Artificial Intelligence, Database Management System, Software Engineering, Machine Learning, Statistical Programming, Parallel and Distributed Databases, Data Mining and Analytics, Deep Learning, Information Visualization, Natural Language Processing.

Technical and Soft Skills

Programming Languages: Python, R, Java, C, SQL, HTML, CSS

Tools: Git, GitHub, VS Code, Jupyter Notebook, Tableau, xampp, Pycharm, Google Colab, AWS, Anaconda

Libraries/Frameworks: Scikit-learn, Keras, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, Flask, OpenCV, MYSQL, SQLite, ggplot, dplyr, Flask

Expertise: Machine Learning, Deep Learning, Data Analytics and Visualization, Web Development, Database Management

Soft Skills: Adaptable, Open to new challenges, Strong Teamwork and collaboration, Analytical, Effective communicator and proactive

Project Experience

Website development | Melascan integrated with Deep Learning Models [\[GitHub\]](#)

Designed and developed a Melanoma Detection Website integrated with Deep learning Models trained over 20,000 image dataset.

- Specification of requirements and scope of project
- Generation of System Architecture, ERD and Use case modelling
- Preprocessed and fine tuned three deep learning models
- Integration of Trained models to MelaScan Website for Melanoma Diagnosis and Clinician Use

Deep Learning Models: Resnet50, Densenet121, EfficientnetB0

Tools and Frameworks: Flask, SQLite, VSCode, GitHub, Pytorch, Keras, TensorFlow, Python, HTML, CSS, Bootstrap

Skills acquired: Web development, Database Management, Model Engineering

Statistical Analysis & Visualization | Obesity Levels [\[GitHub\]](#)

Explored patterns and relationships between attributes like height, weight, age, and obesity levels using data preprocessing, outlier detection and statistical analysis

- Data Exploratory Analysis
- Preprocessing and visualization on Obesity Levels

Tools and Frameworks: R, R studio, Kaggle, ggplot, dplyr, corrplot

Skills acquired: R programming language, Data Visualization, Statistical Analysis

Research | Resnet50 Her2 Breast Cancer with XAI (Yet to be published) [\[GitHub\]](#)

Fine tuned and experimented to train a transfer Learning model on over 10,000 Image dataset.

- Data Cleaning and Preprocessing
- Model Experimentation with Hyperparameter tuning and layers unfreezing
- Model Evaluation and Explainable AI integration for reliability

Result: 96% Accuracy in Prediction over HER2 expression levels (0, +1, +2, +3)

Tools and Frameworks: Python, Kaggle, GradCam, Resnet50, diagrams.net

Skills acquired: Conference paper writeup, Model Engineering

Database Management | Book Inventory Management [\[GitHub\]](#)

Designed and Developed a book Inventory Management System, optimized database structure for streamlined operations.

- Elicited Requirements and use case specification
- Designed Entity Relation Diagrams for Customer, Employee, Inventory and Sales Module.
- Data Normalization
- Database Schema Definition
- System Implementation

Tools and Frameworks: xampp, MySQL, phpmyadmin, HTML, CSS

Skills acquired: SQL, Entity Relationship Diagrams, Data Normalization, Database Management

Extra-Curricular

Organizer, AI Talk

- Coordinated a talk featuring Dr. Bijan Khezri and Prof. Dr. Oliver Gassmann from Switzerland
- Held at the School of Computing and Informatics.
- Facilitated discussions on artificial intelligence, enhancing knowledge-sharing among students and faculty.

Founding member of Social Business (Nov 2023-present) [\[Socials\]](#)

- Brand Communications Lead

HULT prize Finalist (2023) [\[Socials\]](#)

- Participation in the finals for Hult Prize 2023 on the idea of recycling wasted coffee beans

Text to Speech API, NLP [\[GitHub\]](#)

- Tried Google Cloud Service Text To Speech API and generated audio outputs
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Certification

AWS Academy Graduate - AWS Academy Machine Learning Foundations (2024) [\[Verify\]](#)

Reference

Dr Mozaherul Hoque Abul Hasanat - **Deputy Dean | Lecturer | Project Supervisor**

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