

# 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.

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## 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

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## 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.

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## 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

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## 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

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### **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) [\[Verify\]](#)

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### **Reference**

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

School of Computing and Informatics, Albukhary International University

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