

## About Me

A freshly graduated Computer Science Student specializing in Big Data with a strong foundation in machine learning, data analysis, and programming. Completed hands-on projects, including building machine learning models and deploying web apps. Looking to leverage my knowledge and experience into a role in Data Science.

## Education

### University of Wollongong, Australia — Bachelor of Computer Science, Big Data

Mar 2023 - Mar 2025

- Current Weighted Average Mark (**WAM**): 73.94 / 100
- Specialized in Big Data, focusing on data mining, machine learning, and scalable systems, Gained strong foundation in Python, SQL, data structures, and algorithm design through project-based learning, Developed real-world skills in data wrangling, visualization, and model evaluation using libraries like Pandas and Scikit-learn
- Completed two capstone software development projects, demonstrating teamwork, communication, and technical delivery skills using agile methodology, Excelled in coursework involving distributed computing, data pipelines, and cloud-based data storage systems

### Singapore Institute of Management — Diploma In Information Technology

Apr 2022 - Mar 2023

- Gained foundational knowledge in computer science principles, including programming, databases, and systems development technique.
- Learned to write code in programming languages such as Python and Java, the fundamentals of computer Networking, and IT Project Management.

## Work Experience

### Myanmar Apex Bank | Intern

July 2025 - Present

- Extracted and manipulated large datasets from **Oracle databases** using advanced **SQL** queries to ensure accuracy, relevance, and optimization for performance.
- Collaborated with business and technical teams to design data logic, clean and transform raw data, and deliver automated reports supporting strategic decision-making.
- Enhanced financial data structure understanding by optimizing SQL queries and improving data pipeline efficiency.
- Developed and maintained dashboards to visualize key banking metrics, enabling real-time performance tracking.
- Contributed to collaborative reporting processes in a fast-paced banking environment, improving cross-departmental data sharing.

## Projects

### ASL Recognition

Aug 2025 - Aug 2025

#### Personal Project

- Developed a real-time **American Sign Language (ASL) recognition system** using **TensorFlow/Keras**, **OpenCV**, and **MediaPipe** to detect and classify 29 ASL alphabet gestures.
- Preprocessed the ASL Alphabet Dataset from Kaggle by detecting hands for consistent model input.
- Achieved ~99% accuracy on both training and validation sets through CNN-based model design and hyperparameter tuning.
- Built a **live prediction** interface using OpenCV for real-time gesture recognition via webcam.
- Source Code: [Github Repo](#) | [Kaggle Notebook](#)

### Sentiment Analysis

Feb 2025 - Feb 2025

#### Personal Project

- Developed a sentiment classification model using **XLNet** (Hugging Face) to analyze tweets.
- Fine-tuned the model on social media data using **tokenization and transfer learning**, leveraging attention-based mechanisms to improve contextual understanding.
- Evaluated model performance using **accuracy, F1-score, and confusion matrix**, achieving over **90%** accuracy.
- Source Code : [Github Repo](#)

### Traffic Bottleneck Identification on Road Network

Oct 2024 - Feb 2025

#### Final Year Project

- Led a team of 4 as **project leader** to design and implement a dynamic traffic Bottleneck Identification system.
- Applied **Python and graph-based algorithms** to detect congestion points and suggest alternate routes.
- Integrated map-based visualizations and real-time/synthetic traffic data analysis for bottleneck identification.
- Delivered geospatial analytics reports that supported traffic optimization and delay reduction strategies.
- Live Demo: [FlowX App](#)

## Skills

**Languages:** Python, Java, C++, SQL (NoSQL, PostgreSQL)

**Data Visualization:** Matplotlib, Seaborn

**Libraries & Frameworks:** Flask, Streamlit, Spark, Hadoop, Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch

**Workflow Tools:** Git, VS code, Jupyter Notebook, Google Colab

## Languages

- English (Fluent)
- Burmese(Native)