SU THET MIN HTET

Links

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About Me

A dedicated 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.

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)

Education

Bachelor of Computer Science, Big Data

University of Wollongong, Australia **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
- Completed two capstone software development projects, demonstrating teamwork, communication, and technical delivery skills using agile methodology
- Developed real-world skills in data wrangling, visualization, and model evaluation using libraries like Pandas and Scikit-learn
- Excelled in coursework involving distributed computing, data pipelines, and cloud-based data storage systems

Diploma of Information Technology

Singapore Institute of Management **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.

Project Experience

Sentiment Analysis

Personal Project **Feb 2025 - Feb 2025**

A sentiment classification model was developed using XLM-RoBERTa, a multilingual transformer provided by Hugging Face, to analyze tweets. The model was fine-tuned on social media data using tokenization and transfer learning techniques. Attention-based mechanisms were leveraged to improve contextual understanding, and model performance was evaluated using accuracy, F1-score, and confusion matrix.

Traffic Bottleneck Identification on Road Network

Final Year Project **Oct 2024 - Feb 2025**

Traffic bottlenecks were identified through the development of a dynamic traffic analysis system using map-based visualizations and congestion detection algorithms. Real-time or synthetic traffic data was analyzed to locate congestion points, and alternative routes were suggested to reduce delays. Python and graph-based methods were used to support geospatial data analysis and algorithmic optimization.

Live Demo: FlowX App

CAERS Data Analysis

Personal Project **Aug 2024 - Aug 2024**

An exploratory data analysis was conducted on the CAERS dataset sourced from Kaggle to uncover patterns in adverse food event reports. Data was cleaned, aggregated, and visualized using Python (Pandas, Seaborn), and an interactive Streamlit app was developed to allow users to explore insights dynamically.

Live Demo: CAERSDataAnalysis Streamlit App