

PHYO KHINE

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SUMMARY

Recent Data Science graduate with a strong foundation in data engineering, business analytics, AI-driven solutions, software development, CRM systems, and IT support. Experienced in building web applications, automating workflows, and developing data pipelines. Passionate about applying emerging technologies to drive innovation and sustainability. Enthusiastic about applying my skills in dynamic work environments and contributing to impactful projects.

SKILLS & TOOLS

- **Programming & Web Development:** Python, JavaScript, Java, C#, .NET, Flask, HTML/CSS, Bootstrap, PHP
- **Data Science & Analytics:** R, Power BI, Tableau, Statistical Analysis, Predictive Modelling, SQL
- **Machine Learning & AI:** NLP, Forecasting, Image Processing, NetLogo Simulations
- **Databases & ETL:** MySQL, SQL Server, SQLite, Data Warehousing, ETL Pipelines
- **Cloud & DevOps:** Azure, AWS, Docker, Google Colab, Jupyter Notebooks
- **Testing & QA:** Unit Testing (unittest), Automation Testing (Selenium), UAT
- **Project Management:** Agile Methodology, Jira, GitHub, Stakeholder Communication
- **CRM & Business Tools:** Salesforce CRM, Microsoft CRM, Microsoft Office Suite

EXPERIENCE

Data Capturing and Strategist Intern

Nov 2023 – Dec 2023

PeopleKind Group Ltd.

- Streamlined customer engagement processes by segmenting and categorizing NDIS-related customer data into actionable audience groups.
- Ensured data accuracy and integrity during the migration to a new Salesforce CRM, resulting in 90% increase in data accuracy and improved user adoption.
- Developed comprehensive user guides and detailed documentation, supporting effective onboarding and training.

Data Engineering Intern

May 2021 - Aug 2021

KPIM Joint Stock Company

- Designed automated data pipelines to retrieve, clean, and transform stock market data, utilizing Python and Azure Data Lake.
- Developed and deployed interactive dashboards in Power BI, delivering actionable insights for stakeholders.
- Applied machine learning models to forecast stock market trends, contributing to strategic planning.

Analysis Solution Developer Intern

Sep 2018 - Feb 2019

Avanade Asia Pte Ltd.

- Supported Microsoft CRM UAT, executing 50% of test cases and reducing failures by 25%.
- Created test cases, reports, and training materials to streamline implementation.
- Facilitated client requirement sessions, capturing technical and business needs.
- Collaborated with cross-functional teams for successful enterprise software deployment.

PART-TIME EXPERIENCE

Casual Team Member (Kitchen)

Applecross, Perth

McDonald's Australia

Oct 2022 - Present

- Prepare orders following standard recipes while maintaining food safety compliance.
- Manage kitchen operations, restocking supplies, and supporting team collaboration.
- Awarded *Crew of the Month* for consistently meeting service targets and ensuring smooth kitchen performance.

ACADEMIC PROJECTS

Configurable Chatbot with Mixture of Experts Ensembles (MoE)	University of Western Australia
<i>Course Project for Data Science Capstone Project, Norwood Systems</i>	Aug 2024 – Oct 2024
<ul style="list-style-type: none">• Built a chatbot using MoE, K-Means clustering, and Docker for scalable deployment.• Integrated Sentence-BERT embeddings for accurate text input validation.• Shifted to unsupervised learning to meet client needs for greater flexibility.	
Agile Request Forum Web Development	University of Western Australia
<i>Course Project for Agile Web Development</i>	Feb 2024 – Jun 2024
<ul style="list-style-type: none">• Developed a user-friendly web app with Flask, Bootstrap, and SQLite.• Implemented request tracking, user authentication, and Agile development practices.• Ensured code quality through unit testing and Selenium automation.	
HR Data Analysis and Machine Learning Project	Singapore Management University
<i>Course Project for IS Project Experience, Humanica Company</i>	Jan 2022 - Apr 2022
<ul style="list-style-type: none">• Collaborated with Humanica to analyze real-life client data and develop data-driven HR solutions.• Built ETL pipelines and predictive models (Random Forest, XGBoost) for HR data.• Designed Tableau dashboards to visualise workforce trends.• Conducted UAT and delivered insights to business stakeholders.	
Fruit Recognition Project	Singapore Management University
<i>Course Project for Image Perception</i>	Jan 2022 - Apr 2022
<ul style="list-style-type: none">• Built an object detection model for real-time fruit classification using a camera and Google Colab.• Utilized Python for image preprocessing, model training, and image analysis.	
3D Fire Escape Simulation using NetLogo	Singapore Management University
<i>Course Project for Agent-based Modeling & Simulation</i>	Jan 2022 - Apr 2022
<ul style="list-style-type: none">• Developed an agent-based simulation to model fire escape scenarios in buildings using NetLogo.• Analysed strategies to improve emergency responses and safety outcomes.	
Food Therapy	Singapore Management University
<i>Course Project for Web Application Development</i>	Aug 2020 - Nov 2020
<ul style="list-style-type: none">• Developed web app for healthy recipes, personalized plans, and community blog.• Integrated API data with PHP and stored inputs in SQL.	
Chipshare	Singapore Management University
<i>Course Project for Interaction Design Prototyping</i>	Aug 2020 - Nov 2020
<ul style="list-style-type: none">• Led prototype development and A/B testing using Agile Scrum and Lucidchart.• Conducted user testing and feedback loops to refine UI/UX experience	
CO2, Humidity and Temperature Monitoring System	Republic Polytechnic
<i>Course Project for Final Year Project</i>	Apr 2018 - Oct 2018
<ul style="list-style-type: none">• Built a real-time web dashboard using .NET and Azure to monitor Arduino sensor data.• Integrated sensor health, alerts, and visualization features for efficient decision-making.• Led code integration and deployment in a collaborative team environment.	
Microsoft Imagine Cup Project	Republic Polytechnic
<i>Course Project for Special Project</i>	Oct 2017 - Mar 2018
<ul style="list-style-type: none">• Developed an MVC Web API to track IoT sensor data with dynamic charting from Azure.• Represented school in Microsoft's global student innovation challenge.	

LEADERSHIP AND COMMUNITY INVOLVEMENT

Lway Kan Orphan Home

Social Media Manager Volunteer

Myanmar

Aug 2020 – Present

- Managed donor communications and created fundraising campaigns on social media.

Myanmar Australia Student Society (MASS)

President

Perth

Jan 2023 – Aug 2024

- MASS is one of culture clubs at University of Western Australia, runs by Burmese students.
- Led a team of 7 to promote cultural awareness and diversity on campus.
- Managed budgets and restructured club operations for sustainable growth.
- Re-organize the club's operation structure and create opportunities for the fellow members.

SMU KidsRead

Volunteer

Singapore

May 2021 – Feb 2022

- The SMU KidsREAD CSP is held in conjunction with the National Library Board (NLB) to help inculcate the love for reading among kids aged from 5-12 at Sunbeam Place.
- Facilitated interactive reading sessions to cultivate literacy in children aged 5–12.

Sree Narayana Mission Singapore

Social Media Content Creation Volunteer

Singapore

Dec 2021

- Assisted with creation of volunteer management newsletters and social media content.

Heartware Network

Youth Volunteer

Singapore

Nov 2021 – Dec 2021

- The Heartware Goes Virtual! Interactive V-Learning with Children is an initiative by Heartware Network to engage underserved children through meaningful and educational virtual activities.
- Planned virtual education activities by expressing the creativity, and enriched the lives of underserved children.

ICON - SMU Myanmar Community

Honorary General Secretary

Singapore

Jan 2020 - Dec 2020

- SMU Myanmar Community is a culture community at Singapore Management University.
- Maintained effective records, handled administration, and ensured meetings are organized.

EDUCATION

University of Western Australia

Master of Data Science

Dec 2024

Singapore Management University

Bachelor of Science (Information Systems)

Jun 2022

- First Major in Business Analytics Track & Second Major in Artificial Intelligence

Republic Polytechnic (Singapore)

Diploma in Information Technology with Merit

May 2019

- Inducted to the Director's Roll of Honour (5 consecutive semesters)
- Module Prize for Introduction to Programming
- Module Prize for Data Centre and Cloud Management

CERTIFICATIONS

National Institute of Technology

ACS Professional Year Program (ICT)

Feb 2026 (Expected)