

# LIM HON TING (SG PR)

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Seeking a permanent role in data science within a technology-driven environment to apply my skills, deepen my expertise, and contribute to innovative solutions.

## EDUCATION

<b>University of Malaya</b> Master of Data Science	<b>Oct 2025 – Present</b>
<b>University of Malaya</b> Bachelor of Computer Science (Data Science)	<b>Oct 2021 – Feb 2025</b>

• Achieved a Cumulative Grade Point Average (CGPA) of 4.0.

• Awarded Dean's List in every semester where eligible.

• Graduated with First Class Honours.

• Achieved a Cumulative Grade Point Average (CGPA) of 3.97.

• Awarded Dean's List in every academic year.

## EXPERIENCE

<b>Placement Trainee, Technology Consulting (AI &amp; Data)</b> Ernst & Young (EY)	<b>Feb 2024 – Feb 2025</b>
<b>Company Quartermaster Sergeant (CQMS)</b> Singapore Armed Forces (SAF)	<b>Jul 2019 – May 2021</b>

• Led the development of four Proof of Concepts (PoCs) and supported two client-engaged project as a Junior Machine Learning Engineer, leveraging expertise in Data Science, Machine Learning, and Generative AI.

• Collaborated closely with clients to gather and document business requirements, design Azure solution architectures, and develop generative AI frameworks, ensuring alignment with client needs and project goals.

• Supported numerous project proposals and delivered impactful presentations of PoCs at major industry events, effectively engaging with key partners and clients.

• Received the Best Soldier of the Month award in recognition of outstanding performance and conduct.

• Received the Best Platoon award twice for exceptional leadership and teamwork.

• Assisted in the management of the Systems, Applications, and Products (SAP) system to track equipment and maintain accurate inventory records.

• Ensured that equipment is properly maintained and serviced, and arranged for repairs as necessary.

## EXTRACURRICULAR ACTIVITIES

<b>Team Leader</b> Service Learning Malaysia-University for Society (SULAM)	<b>Nov 2022 – Jan 2023</b>
<b>Vice President</b> Chess Club	<b>Jan 2015 – Dec 2015</b>

• Designed an engaging game utilizing the Unity Engine.

• Acted as a frontend developer, responsible for designing a static website using HTML and CSS.

• Secured a notable second place position in the event by showcasing Malay traditional games.

• Led the team to secure team championship title in district level competition.

• Strengthened the school's presence and competitiveness at the state level through increased representation.

• Assisted the President in overseeing and managing the Chess Club's activities and operations.

• Represented the club in intercollegiate or interclub competitions, organizing teams and ensuring their readiness.

## PROJECTS

<b>GenAI Vendor Analysis</b>	
• Developed customized tools for Power BI insights extraction using semantic link, commentaries, and mathematics solving for Lang Chain agent, run by GPT4 LLM model.	

• Utilized Azure cloud platform for deployment, with implementation of solution architecture.

- Involved in gathering and documentation of business requirements, design of Azure solution architectures, design of test plan, and development generative AI frameworks.

### **EY TalentLens**

- Developed resume screening system using Lang Chain, vector database, few-shot learning, prompt engineering, retrieval augmented generation (RAG), and GPT3.5 LLM model using online and internal textual data.
- The system has capability to analyse resume, extract key information, provide job matching summary, perform document analysis, and recommend job based on knowledge base.
- Deployed the functional system on Azure App Services with comprehensive CI/CD pipeline with close collaboration with EY HR department.

### **Legal Precedence & Comparison Assistant**

- Developed a legal document assistant enabling users to upload documents for query-based content retrieval, similarity detection from previous documents, and comparative analysis of legal clauses.
- Implemented comparison functionalities to highlight differences in legal clauses between documents, providing streamlined legal insights.
- Deployed on AWS Cloud, utilizing AWS Kendra for document search, RDS PostgreSQL for database management, and Amazon S3 for file storage.

### **Analyse and Summarise Dashboard Images by LLM model (Data Science Project – University of Malaya)**

- Developed an automated system leveraging Large Language Models (LLMs) to efficiently extract and summarize critical insights from complex dashboard images.
- Reducing the need for extensive manual analysis and mitigate the chance of human bias.
- Streamlined the decision-making process for organizations across diverse sectors.

## **COMPETITION**

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### **Global Winner - EY Open Science AI & Data Challenge 2025**

Topic: Cooling Urban Heat Islands

- Built a machine learning model ( $R^2 = 98.34\%$ ) to predict Urban Heat Island (UHI) intensity using satellite imagery, building data, and ground temperature measurements
- Engineered geospatial features (NDVI, NDBI, MNDWI) and optimized an Extra Trees Regressor for micro-scale UHI mapping
- Enabled identification of urban heat hotspots to support targeted interventions (e.g., cool roofs, green spaces)
- Proposed a scalable, open-source deployment plan aligned with urban policy frameworks (PlaNYC, Cool Neighborhoods NYC)

## **ADDITIONAL INFORMATION**

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- **Programming Languages:** Python, Java, SQL, HTML, Typescript, Javascript.
- **Technologies:** React, CSS, Microsoft Azure Cloud Platform, AWS Cloud Platform, Generative AI, LLM, Machine Learning, Transfer Learning, Reinforcement Learning, PyTorch, TensorFlow, scikit-learn, Numpy, Pandas, Plotly, Firebase, Flask, MySQL, Power BI, Tableau, SPSS, Streamlit, CI/CD, Databricks, Data Warehouse.
- **Certification:** AZ-900, AI-900, DP-900, SC-900, AI-102, PL-300, Databricks Data Engineer Associate
- **Languages:** Proficient in English, Chinese and Malay (written and spoken)