

# Lim Kim Hoong

AI Engineer | Senior Data Analyst

+60 11-1019 9427 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Personal Website](#)

## EDUCATION

<b>Universiti Malaya (UM)</b> Master of Data Science with Distinction, majoring in Computer Vision · CGPA: 3.98/4.0 · Coursework: Data Analytics, Machine Learning, Parallel and Distributed Computing, Numerical Optimization, Big Data Management	<b>Kuala Lumpur, Malaysia</b> Mar. 2022 – Jul. 2023
<b>Universiti Tunku Abdul Rahman (UTAR)</b> Bachelor of Science (Honours) Financial Mathematics with Distinction · CGPA: 3.59/4.0 · Coursework: Operation Research, Financial Economics, Predictive Modelling, Time Series Analysis · Recognition: President's List (Oct 2018 & May 2019), Dean's List (May 2018, Jan 2019), Distinction in Soft Skills Development Certificate Program (USSDC)	<b>Kuala Lumpur, Malaysia</b> May 2017 – Oct. 2020

## SKILLS

<b>Technical Skills</b>	Machine Learning, Data Visualization, Data Analysis, Computer Vision (Tensorflow, SciKit-Learn, Plotly, Matplotlib, Pandas, Pytorch, Streamlit, Flask, FastAPI)
<b>Programming Languages</b>	Python, R, Microsoft SQL, VBA
<b>Tools</b>	Visual Studio Code, Jupyter Notebook, R Studio, Spyder, Power BI, Tableau, Weka, SAS Enterprise Miner, Talend data preparation, AWS (S3, Glue, Amazon SageMaker), Github, Azure, MySQL

## PROFESSIONAL EXPERIENCES

<b>Userdata Sdn. Bhd.</b> AI Engineer · Delivers expert <b>Python</b> coding support for an <b>internal chatbot product</b> , ensuring precise implementation of <b>advanced data science methodologies</b> . · Designs and deploys <b>machine learning</b> and <b>NLP models</b> using <b>Python</b> , while continuously integrating cutting-edge open-source LLM models to enhance accuracy and processing speed.	<b>Kuala Lumpur, Malaysia</b> May 2024 – Present
<b>OKX</b> Senior Data Analyst · Performed data cleaning, transformation, data quality check and exploratory data analysis in <b>Python</b> and <b>VBA</b> · Enhanced the efficiency of process flow by <b>50%</b> by creating an <b>automated workflow</b> for <b>web scraping</b> , utilizing <b>Python</b> and <b>Selenium</b>	<b>Kuala Lumpur, Malaysia</b> Aug. 2023 – Apr. 2024
<b>Bursa Malaysia Berhad</b> Analyst · Established legacy <b>VBA procedures</b> , constructing innovative data infrastructures that elevated data processing speeds and overall process efficiency by <b>50%</b> · Refined over <b>3 Power BI interactive dashboard</b> , achieving an <b>60% improvement</b> in real-time data processing, and monitoring daily · Achieved a time reduction of <b>70% in data verification</b> for Bursa Trade Securities 2 ("BTS2") Tech. Refresh ("TR") project by utilizing <b>Python</b>	<b>Kuala Lumpur, Malaysia</b> Dec. 2020 – Aug. 2023
<b>IBM Corporation</b> Data Analyst Intern · Performed data collection, verification, transformation, cleaning, and exploratory data analysis in <b>Excel</b>	<b>Kuala Lumpur, Malaysia</b> Oct. 2019 – Dec. 2019

## PROJECTS

<b>RFM Score Prediction for Customer Transaction in Bank</b> <a href="#">[Code]</a> · Attained a <b>mean squared error (MSE)</b> of <b>0.0005</b> using a trained <b>Random Forest Regressor</b> on a dataset exceeding one million entries.	Sep. 2024
<b>Build a Chatbot to Analyze PDF Files using LLM</b> <a href="#">[Certificate]</a> <a href="#">[Code]</a> · Built a complete <b>local hosted Chatbot</b> , connected to <b>OpenAI API</b> by utilizing <b>Flask</b> , <b>Langchain</b> and UI design	Aug. 2023 – Oct. 2023
<b>Robotic Process Automation (RPA) for Reference Price Adjustment (RPA)</b> · Automated <b>80%</b> of the current manual process by utilizing <b>UiPath</b> application for end-to-end Reference Price Adjustment (RPA)	Apr. 2023 – Aug. 2023
<b>Chinese Handwritten Digit Recognition using Machine</b> <a href="#">[Paper]</a> <a href="#">[Code]</a> · Achieved an <b>accuracy of 98.93%</b> with an <b>average time of 44 seconds per epoch</b> for a self-designed architecture of Convolutional Neural Network (CNN) in recognizing 15,000 Chinese handwritten digits · Submitted to <b>11th ICOICT Conference 2023</b> under first author	Oct. 2022 – Jan. 2023
<b>M16 Touri-Scope Dashboard in R programming language</b> <a href="#">[Website]</a> <a href="#">[Code]</a> · Provided a comprehensive overview of travel trends and patterns around the globe to Malaysia on pre and post pandemic, allowing for data-driven insights and strategic decisions to be made based on the highlighted patterns and key indicators	Mar. 2022 – Jun. 2022