

Contact

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Address

Bandar Utama, 47800, Petaling Jaya, Selangor.

Education

2019

MEng (Hons): Mechatronic Engineering University of Nottingham (First Class)

2014

Australian Matriculation

Sunway College (ATAR: 89.90)

Skills

- Python (Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, YOLO)
- Machine Learning (Regression, Classification, Clustering)
- Deep Learning (CNN, RNN, Computer Vision, NLP, LLM)
- Data Wrangling, EDA, MLflow
- Tableau, PowerBI
- GitHub
- SQL
- Microsoft Word, Excel, Powerpoint
- Project Management

Language

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xiyap.github.io (Portfolio)

Aspiring **Al/Machine Learning Practitioner** with proven track record in utilizing data analysis to produce innovative machine designs. Seeking to specialize in the dynamic field of **Machine Learning**, leveraging a comprehensive exposure to computer vision in industry setting, complemented by self-initiated projects. Eager to apply engineering expertise to provide machine learning solutions.

Experience

Q 03/2020 - 08/2023

Top Glove Corportation Bhd. I Klang, Selangor

Researcher (Engineering Department)

- Spearheaded breakthrough project by producing a patented machine (PI2023003018) yielding a potential opportunity gain of RM7.7 million annually per factory, with ROI of 2.6 months post-implementation.
- Performed comprehensive research and exploration of cutting-edge technologies such as machine learning to develop POC for innovative ideas targeting production and automation advancements.
- Utilized data analysis and cost-benefit analysis to identify strategic engineering project opportunities, assess profitability for stakeholder buy-in and determine optimal project development direction.
- Initiated continuous improvement projects with a focus on Kaizen/Lean principles
- Developed sophisticated product animations and graphics to effectively communicate and showcase conceptual designs to stakeholders.
- Coordinated cross-functional teams including head of factories, managers, production, planning, packing, AI team and more for project and process implementation.
- Led and supervised team of 7 engineers and 6 workers in project fabrication, implementation and improvement, ensuring most efficient project progress.
- Conducted SolidWorks training and best practices to a group of 90 personnel, aimed at alleviating department workload.

07/2021 - 04/2022

Home-Based 3D Printing Service I Petaling Jaya, Selangor

Freelance Service Provider

- Collaborated with business partner to offer 3D printing services as a supplementary initiative.
- Explored and identify innovative 3D printing product opportunities to contribute to business growth and diversification.

d 12/2019 - 02/2020

Top Glove Corportation Bhd. I Klang, Selangor

Engineer (R&D Department)

- Provided consultation for long-standing cost saving projects through on-site testing and troubleshooting in factory setting.
- Conducted research, cost assessment and produced 3 new glove inner concept designs as requested by company COO.

Professional Development & Certification

• Machine Learning Specialization & Deep Learning Specialization

DeepLearning.AI (Coursera), 2024

• IBM Data Science Professional Certificate

IBM (Coursera), 2023

Python for Machine Learning & Data Science Masterclass

(Udemy), 2023

SQL Basics for Data Science Specialization

University of California, Davis (Coursera), 2023

Data Visualization with Tableau Specialization
University of Ca

University of California, Davis (Coursera), 2023

Google Project Management Professional Certificate

Google, (Coursera), 2023