Chong Jack Pang

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Skills

- Programming Languages: Python, Java, C, C++, SQL, Kotlin, Matlab
- Data Engineering: ETL processes, Apache Airflow, Snowflake, PostgreSQL, BigQuery
- Data Scraping: Selenium, BeautifulSoup
- Machine Learning: PyTorch, TensorFlow, Scikit-learn, Computer Vision
- Data Visualization: Power BI, MS Excel, Matplotlib, Seaborn
- Workflow Orchestration: Airflow, Dagster, Prefect
- Project Management: Jira, Scrum
- Cloud Technologies: Amazon Web Services (AWS), Google Cloud Platform (GCP)

Experience

Hiredly, Data Science Intern   Aug 2023 – Nov 2023
- Performed ETL processes, handling and integrating 500,000+ data points to ensure efficient data management.
- Designed and implemented automated task scheduling, reducing manual work by 30%, and developed 10+ automation scripts for routine tasks.
- Research on developing 2 APIs for ML/Data Ops purposes.
- Optimized the job recommendation system, resulting in a 5% improvement in matching accuracy than previous version and increased user engagement by 10%.
- Research and utilize LLM models to build AI-powered virtual interviewer.

Academic Projects

Final Year Project: Job Recommendation System using Content-Based Filtering
- Developed a content-based filtering recommendation system using Streamlit with job-based, user-based, and profile-based recommendation for job seekers.
- System was highly acceptable in User Acceptance Testing (UAT), which showed strong relevance in job recommendations.

AI Methodologies Project: KNN Model for Diabetes Prediction
- Developed a predictive model to forecast diabetes based on individual characteristics using the KNN algorithm.
- Fine-tuned hyperparameters to achieve optimal model performance with an accuracy of 83.77%.

Education

Asia Pacific University of Technology and Innovation   Sep 2021 – Sep 2024
- Bachelor of Computer Science with Specialism in Artificial Intelligence
- Current CGPA: 3.64/4.00

SMK Sultan Ibrahim (SMKSI) Kulai, Johor, Malayisa   May 2019 – April 2021
- Malaysia Higher School Certificate (STPM)
- Science Stream (Physics)
- Achieved CGPA of 3.92/4.00

Extracurricular Activities

Google Developer Student Club – Data/AI Co-Lead
- Led the Data/AI initiatives within the club, organizing workshops and events.
- Held a successful workshop on Data Engineering for 30+ students as the speaker.
- Served as organizing committee member under the PR department for the Google Workspace Hackathon 2024, managing over 1,200 participants.

Achievement

APU X AWS DeepRacer 2023
- Trained an autonomous race car by designing reinforcement learning algorithm.
- Rewarded as first runner-up with the highest lap record of 9.106 second among 300+ teams.

Tune Protect Hackathon 2023
- Design an insurance-based customer loyalty program with the utilization of GCP services.
- Rewarded as second runner-up with the innovative solutions presented among 30+ teams.