Clement Harsoyo

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)
BSc in Business Analytics
School of Computing
May 2023 | Singapore
Cum. GPA: 4.5 (Distinction)

COURSEWORK

UNDERGRADUATE
Intelligent System and Techniques
Data Mining for Business Insights
Analytics Tools for Decision Making
Risk and Fraud Analytics
Machine Learning

SKILLS

DATA ANALYTICS
Python • R • SQL • Tableau

ARTIFICIAL INTELLIGENCE
Generative AI • RAG • Deep Learning • Transformers • NLP • Computer Vision

BIG DATA ENGINEERING
ETL Pipeline • Apache Airflow • MongoDB • Spark • BigQuery

WEB DEVELOPMENT
ReactJS • VueJS • HTML • CSS • JS

PROJECT MANAGEMENT
AGILE • Confluence • Jira • Git

SOFT SKILLS
Collaboration • Adaptability • Initiative

LANGUAGE
English (Professional) • Indonesian (Native)

ACTIVITIES

TEACHING ASSISTANT
NUS
Mentored 25 undergraduates on Programming Introductory in Python

ACADEMIC CONTRIBUTOR
QnA Group
Enabled education in Indonesia through online platform for more than 1000 students

WORK EXPERIENCE

SPLORE | PRODUCT MANAGER (SEARCH AND DATA)
2023/08 - Present | Singapore
- Splore is a Temasek-backed startup building search engine and reimagining discovery for gamers beyond traditional search
- Launched Discord Bot with embedded AI-powered search that are now utilized by more than 600 servers, consistently improving functionalities and user experience. This includes user discovery, feature development, and post-launch analysis to discover actionable insights.
- Spearheaded end-to-end data pipeline to consolidate 5 millions gaming data that are fragmented across the web. Designed and implemented AI-driven search result evaluation pipeline to meet user expectation.

SHOPEE | PRODUCT MANAGER (MARKETPLACE - LISTING)
2022/01 - 2022/06 (Internship) | Singapore
- Led a team of 5 data scientists to launch category recommendation service, ensuring accurate category tree for downstream business which increased listing category accuracy to 95%
- Collaborated with operation teams to implement data tracking metrics and built recommendation service dashboard, analyzed result and trend to optimize performance and user satisfaction
- Actively managed product development, translating business use cases into product requirement, and prioritizing features to deliver high business value

NINJA VAN | DATA ANALYST (REGIONAL OPERATIONS)
2021/05 - 2021/11 (Internship) | Singapore
- Conducted data analysis to identify patterns and trends in delivery data, collaborated with local teams to improve delivery operations across 6 regions
- Developed pipeline to automate validation process of fraudulent proof of delivery images, increasing efficiency by 50%
- Built an interactive dashboard to visualize key business metrics, providing stakeholders with real-time insights and facilitating data-driven decision making

PROJECTS

GOOGLE REVIEW ANALYTICS | NUS WEB DATA MINING
2023
Built text review tools for F&B Industry with 88% precision, automated data collection from Google and used sentiment analysis to produce business value
Utilized: Web Scraping (BeautifulSoup) • HuggingFace • Sentiment Analysis • Topic Model • Python Dash

SPOTIFY ANALYTICS PIPELINE | NUS DATA ENGINEERING
2023
Built ETL Pipeline to extract big data from Spotify, processed and loaded data for downstream application of recommendation model and trend visualisation
Utilized: Apache Airflow • Spark • Hadoop • MongoDB • Python and Tableau

AWARDS

2023	NUS	Specialisation in Financial Analytics and Machine Learning Analytics
2023	NUS	Distinction Award in Technical Analytics Area
2022	NUS	Top Student in SEO and Page Rank Analytics