

Archel Taneka Sutanto

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SUMMARY

Passionate about leveraging data to solve problems strategically, I bring hands-on expertise in statistical analysis, machine learning experiments, and model deployment to drive business growth. With a methodical approach and a deep understanding of business operations, I have improved ML products and boosted profits. Eager to contribute to your mission of adopting data-driven models, I aim to deliver impactful insights while expanding my skills within a reputable program that values innovation and analytical excellence.

EDUCATION

Monash University

JUL 2024 - PRESENT

- Master of Data Science

University of Nottingham — *Bachelor of Science (Hons.)*

SEP 2019 - SEP 2020

- Major in Computer Science with AI
 - First-class degree
 - Part of the double degree program with Bina Nusantara University.
 - Dissertation title: "Common Chest X-ray Classification and Localisation with Deep Learning"
- Advisor: Dr. Chao Chen

Bina Nusantara University — *Bachelor of Science*

SEP 2016 - SEP 2020

- Major in Computer Science
- GPA 3.74
- High Distinction

WORK EXPERIENCE

PT. Global Tiket Network, Jakarta, ID — *Associate Data Scientist*

OCT 2022 – JUL 2024

Founded in 2011, tiket.com is one of Indonesia's biggest OTA (Online Traveling Agency) companies. Working with the team of over 20 data scientists and machine learning engineers; my role required data analysis, data visualisation, machine learning model experiment & development, and model statistical test across all new and existing projects.

- Improved the accuracy of image quality prediction model by 10%. The model was an "in-house" development model that utilises OpenCV's image processing and manipulation techniques.
- Developed a payment recommendation model that contributes to CVR uplift by

- 4.8%, GBV by 94B IDR (+4.7% from the previous model), and margin by 4.7B IDR.
- Developed a Catboost-based initial room grouping/merging model with ~90% precision and recall.
 - Developed hotel recommendation model to incorporate POI (point of interest) and nearby geolocation data with a contribution of 8B IDR GBV and 1.1B IDR in 2023 through feature engineering with SQL on BigQuery.
 - Reduced overall cost of the RPA (robotic process automation) bot by 150M IDR and operational cost by 165M IDR annually by developing flight-related email parsing (reschedule and cancellation). The model itself was essentially trained using Keras and Tensorflow.
 - Created dashboards for model diagnosing and monitoring using Tableau and Google Looker Studio which include quantitative measures such as GBV, CVR, margin, model accuracy, etc.

VOLUNTARY EXPERIENCE

Monash University — *Graduation Ambassador*

OCT 2024 – OCT 2024

With a team of 6-7 people, the *Post Ceremony Check-in Ambassador* volunteers assist with check-in for Monash graduates and guests and guide them into the Post Ceremony Function space.

- Assisted over 100 guests and graduates with the check-in process, ensured all details were accurately recorded.
- Directed graduates and guests by providing clear instruction and support.
- Played a key-role in coordinating the flow of guests, helping to maintain order and timeliness during the event.
- Addressed and resolved issues related to check-in or guest inquiries.
- Effectively communicated both team members and attendees to ensure seamless transitions between different stages of events.

REFERENCES

Available upon request