

Amira Tan — Machine Learning Engineer

Years of Experience: 9
Associate in Data Science

AMIRA TAN

Machine Learning Engineer
Singapore, SG - (555) 123-4567 - amira.tan@email.com - LinkedIn: linkedin.com/in/amiratan

SUMMARY

Results-oriented Machine Learning Engineer with 9 years of experience in data-driven product development across the Asia-Pacific region. Proven track record in building scalable ML pipelines, deploying models in production environments, and collaborating with cross-functional teams to translate business needs into actionable AI solutions.

SKILLS

Python, TensorFlow, PyTorch, scikit-learn, SQL, Data Pipeline, AWS, GCP, Docker, Kubernetes, MLOps, Feature Engineering, Statistical Modeling

EXPERIENCE

- Architected an end-to-end MLOps platform on GCP, integrating data lake structures and automated model deployment pipelines.
- Guided the data engineering team in designing scalable data lake architecture, resulting in a 25% reduction in data retrieval times.
- Improved model latency by 40% through model optimization and inference container tuning.
- Partnered with product managers to shape the AI roadmap and translate feature requests into feasible ML solutions.
- Designed and deployed production-grade models using TensorFlow Serving, Docker, and Kubernetes.
- Established CI/CD pipelines for ML workflows, enabling faster iteration cycles and reducing deployment errors.
- Developed real-time inference services that supported high-volume user interactions on the platform.
- Monitored model drift and automated retraining schedules, maintaining model accuracy above 92%.
- Led a team of 4 data scientists, overseeing end-to-end ML projects for e-commerce analytics.
- Designed feature engineering pipelines that increased predictive model accuracy by 18%.
- Created performance metrics dashboards for executives, improving visibility into model efficacy.
- Mentored junior analysts, fostering skill development and knowledge sharing.
- Implemented supervised learning models for user segmentation, boosting targeted marketing ROI by 12%.
- Optimized recommendation engine algorithms, enhancing click-through rates by 9%.
- Collaborated with software engineers to integrate models into production products.
- Presented analytical findings to stakeholders, influencing strategic decision making.
- Collected and processed transactional data, performing exploratory data analysis to uncover business insights.
- Developed Tableau dashboards for cross-functional teams, improving reporting speed by 30%.
- Assisted senior data scientists in model development, gaining foundational skills in ML.

EDUCATION

Associate, Data Science
Hong Kong Institute of Technology, Hong Kong
2014