

Professional Profile

Innovative AI Engineer with over 10 years of experience in designing and developing cutting-edge machine learning and deep learning solutions for leading technology companies. Experienced data scientist with a masters degree in Artificial Intelligence from Canberra University. Demonstrated expertise in driving sales growth the the development of sophisticated AI algorithms for complex software environments.

Career Summary

Aug 2019 - Present **SanTech International, Canberra**
AI Engineer

Outline

Work as part of a team of engineers and data scientists at a multinational leading tech company, designing and developing state-of-the-art AI algorithms and solutions to optimise business growth for clients across various industries, including healthcare, finance.

Key Responsibilities

- Optimise machine learning models for performance and scalability, ensuring repeatable and dependable operation when deployed
- Automate the ML pipeline, from data ingestion to prediction generation
- Perform exploratory data analysis, ideation, and data collection
- Analyse client's business requirements from multidisciplinary teams and translate them to technical data science problems
- Effectively communicate complex features and systems in detail
- Leverage cloud-based architectures to deliver optimised models at scale
- Remain updated in the rapidly changing field of machine learning including clinical related libraries and pretrained models
- Conduct model architecture design, development, testing, validation, and integration into the production environment
- Research, evaluate and implement algorithms and tools for NLP tasks
- Collaborate with business, product and engineering teams to build end-to-end data science pipelines

Key Achievements

- Designed and implemented a deep learning-based object detection system for a retail client in 2021, improving product recognition accuracy by 43%.
- Deployed a machine learning model for a finance company on the AWS cloud platform in 2020, reducing model inference time by 61%.

Dec 2016 - Aug 2019 **SanTech International, Canberra**
Junior AI Engineer

Outline

Contributed to the development and testing of AI language models and machine learning software for a leading technology company.



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Canberra

LinkedIn

Portfolio

Core Skills

- Machine Learning & Deep Learning
- Natural Language Processing
- Agile Project Management
- Computer Vision
- Big Data Technologies
- Cloud Computing