

- Led the training and optimization for object detection models to assess Semi-Supervised and Incremental Learning efficacy.
- Researched and Implemented incremental learning and semi-supervised learning approaches to mitigate catastrophic forgetting that were published in 2 International Conferences.
- **Transferable Skills:** Data Processing, Modelling & Optimization, Research Writing, Collaboration, Problem-Solving, Innovation.

Data Analytics Intern

July 2020 – Nov 2020

Learnseeker

- Designed and Developed Dashboards to extract insights from data using Looker Studio to aid tuition centres in providing a personalised learning experience for the students.
- **Transferable Skills:** Data Analytics, Dashboard Design and Development, Problem-Solving, Communication.

PUBLICATIONS

- **International Conference on Social Robotics (ICSR) 2021**
 - Pahwa, R. S., Chang, R., Jie, W., **Satini, S.**, Viswanathan, C., Yiming, D., Jain, V., Pang, C. T., & Wah, W. K. (1970, January 1). A survey on object detection performance with different data distributions. SpringerLink. https://link.springer.com/chapter/10.1007/978-3-030-90525-5_48
- **Conference on Learning Factories 2022**
 - Chang, R., Pahwa, R. S., Wang, J., Chen, L., **Satini, S.**, Wan, K. W., & Hsu, D. (2022, April 7). Creating semi-supervised learning-based Adaptable Object Detection Models for Autonomous Service Robot. SSRN. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4075994

PROJECTS

Trivia Telegram Bot Using ChatGPT

Aug 2023 – Dec 2023

Nanyang Technological University

- An end-to-end group project where we developed a Telegram Bot by incorporating ChatGPT API that allows users to play Trivia. Was responsible for creating the telegram bot and integrating ChatGPT with the telegram bot.
- **Transferable Skills:** Usage of APIs, Communication, Problem-Solving, Innovation, Teamwork.
- **Project Link:** <https://github.com/sankeerthana14/Trivia-Telebot-ChatGPT.git>

TECHNICAL SKILLS AND CERTIFICATIONS

Programming Languages: Python | MATLAB

ML and Data Science: Tensorflow | PyTorch | Pandas | NumPy | OpenCV Seaborn | Matplotlib | Data Mining | Insight generation | Google Looker Studio | Tableau | Microsoft Power BI

AWS Services: SageMaker | Lambda | S3

Operating Systems: Linux

Certifications:

1. [Machine Learning Stanford University - Coursera](#)
2. [Python for Data Science and Machine Learning - Udemy](#)

CO-CURRICULAR ACTIVITIES, LEADERSHIP ROLES AND ACHIEVEMENTS

Vice-Chairperson

2020 – 2022

Tiong Bahru Youth Network (A Grassroots Voluntary Organization)

- Spearheaded Coding Competition and Workshops for secondary school students. This included coming up with content for the workshop as well as conceptualising and executing the theme and judging criteria.
- Actively volunteered in many food and recycling drives as well as voluntary events targeting the elderly and children.