Sailesh Gopalakrishnan

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WORK EXPERIENCE

Thales Solutions Asia Pte Ltd   **Aug. 2021 – Dec.2021**
AI Automation Intern (DevOps)   *Singapore*
- Designed, tested and implemented Machine Learning Ops (MLOps) for selected cornerstone projects with the use of GitLab, Docker and Kubernetes.
- Carried out Deep Learning Machine Learning projects using Artificial Neural Networks (ANN's) to create object classifiers to use for testing automation pipelines.
- Researched and implemented GPU enabling and GPU acceleration for Machine Learning projects on Docker to speed up the training process of the models.
- Held a workshop for the members of the department to familiarize them with the usage of version control tools like GitLab and helped them understand how to make use of the CICD pipelines of GitLab to host their machine learning applications on Docker containers within Kubernetes on an on-premise server.

Hawker Pacific Asia Pte Ltd   **Sep. 2016– Mar. 2017**
Sales Intern   *Singapore*
- Solved customer challenges by offering relevant maintenance service plans catered towards private aircraft brands.
- Prepared over 100 sales quotations for customers after evaluating eligible maintenance plans offered by the company
- Performed competitor and market analysis to provide strategic recommendations for sales team to make more informed decisions.

EDUCATION

Nanyang Technological University (NTU)   **Aug. 2020 – Present**
Bachelor's in Electrical and Electronic Engineering   *Singapore*
Specialization in Computer Engineering
- Participating in a mobile application development project with the use Flutter for the frontend and Firebase as the backend, to be used in conjunction with a Raspberry Pi for item rentals from a retrieval container
- Executed a project in Data Science and Artificial Intelligence, which includes the use of Numpy, Matplotlib, Seaborn and Sklearn libraries in Python

Ngee Ann Polytechnic (NP)   **Apr. 2014 – Mar. 2017**
Diploma in Aerospace Electronics   *Singapore*
- Was a member of the Computer Club sub-committee, and organized club events and camps on a regular basis
- Minor in Business Management
- Graduated with 3.44/4.00 GPA

SKILLS & INTERESTS

- **Skills:**
  Frontend – HTML, CSS, WordPress, Flutter
  Backend – Kubernetes, Docker, GitLab CICD, Firebase
  Languages – Python, Dart, Yaml
  Others – Linux, Machine Learning, GitLab, GitHub, Networking, Office 365, Sales
- **Interests:** Guitar, Running, Smart-Home, Technology, Reddit, Fantasy Novels, Sleeping