**Goh Joon Sian Kenneth**

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**Professional Summary**

I am a graduating Computer Science student who is available and looking to start work immediately. As a forward-thinking aspiring Machine Learning specialist with a professional background in cyber security, I possess a unique blend of expertise spanning both domains, coupled with a deep interest in the ethical development of AI and machine learning technologies. My academic background gave me hands-on experience with Big Data technologies like Hadoop HDFS & Apache Spark, along with TensorFlow & PyTorch for deep learning - preparing me to contribute meaningfully to projects at the intersection of technology and social impact. I am keen to apply my diverse skills to challenges in real-world applications, applying my experience working with diverse groups using different technologies to achieve organizational goals. I am in the process of improving & refining my Data Analytics & Machine Learning pipeline building skillset, documented in my GitHub profile.

**Education:**

* **Bachelor of Computer Science (Big Data), 2024**

SIM-University of Wollongong

* **Diploma in Network Systems & Security, 2014**

Ngee Ann Polytechnic

**Skills & Expertise**

* **Programming & Development:** Proficient in Python (Distinction), R, C++, Java, and JavaScript. Experienced in developing and tuning machine learning algorithms, big data management,
* **Data Science & Data Engineering:** Skilled in data mining, analysis & visualization using Python (Pandas, Matplotlib) with Jupyter notebooks, R & RStudio, building Machine Learning pipelines using Python scripts implementing Scikit-Learn. and the use of Deep Learning libraries like TensorFlow and PyTorch.
* **Big Data:** Proficiency in Apache Hive, Hadoop, HDFS, SQL and NoSQL architectures.
* **Cybersecurity:** Comprehensive knowledge in log analysis, VPN system administration, firewall management, and cybersecurity practices including vulnerability and port scanning.
* **Communication & Leadership:** Demonstrated ability to work effectively in diverse teams, with a knack for guiding project direction and achieving consensus, with the effect of successfully delivering a end-to-end application implementing NLP (Natural Language Processing) algorithms for University FYP(Final Year Project).

**Work experience:**  **Year:**

**Security Engineer at Synapxe Pte Ltd** *May 2019-Oct 2020*

* Spearheaded the expansion and administration of VPN systems and OTP Servers for 2000+ healthcare workers during the COVID-19 pandemic, ensuring uninterrupted remote work capabilities.
* Led incident resolution efforts, working closely with service desks to analyze and address system vulnerabilities, contributing to a robust cybersecurity infrastructure.
* Managed network firewalls in collaboration with the network team to regulate traffic, supporting operational continuity and enhancing security measures.
* Conducted comprehensive vulnerability scans with Rapid7 Nexpose and utilized nmap for port scanning, fortifying corporate system security.

**Cybersecurity Analyst (SOC) at Proficio Pte Ltd**  *Jan 2019 – Feb 2019*

* Played a key role in security event monitoring and incident analysis, utilizing SIEM platforms to enhance clients' security posture through strategic recommendations.

**IT Security Analyst at UOB Kay Hian Pte Ltd** *May 2017 – Jan 2019*

* Administered and enhanced IT security measures, including SIEM software management and Mobile Device Management (MDM) deployment, significantly reducing vulnerabilities & and ensuring compliance with IT security policies.
* Developed and enforced IT security policies based on CIS benchmarks, conducted comprehensive vulnerability assessments, and ensured policy compliance across the organization, significantly enhancing security posture and operational integrity.