

Goh Joon Sian Kenneth

Contact: 86130318/ kennethgjs@gmail.com

[LinkedIn](#) [GitHub](#)

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 & 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.