

# JESLYN WANGSA

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## EDUCATION

### BACHELOR OF COMPUTER SCIENCE (CYBER SECURITY)

Jan 2022 - Nov 2024

University of Wollongong - Singapore Institute of Management

Score: Distinction

## PROJECTS

### Intrusion Detection System

Aug 2024 - Nov 2024

- Developed a real-time monitoring dashboard using SNORT3 and ELK Stack (Elasticsearch, Logstash and Kibana)
- Integrated machine learning time series and classification models with TensorFlow, and LLM prompt engineering
- Implemented RESTful APIs to connect React with Flask and MySQL, deploying system on Google Cloud Platform
- Conducted hands-on testing by simulating various cyber attack scenarios, such as DDoS and data exfiltration

### Backdoor Program

July 2024

- Made a Python-based shell backdoor that connected Ubuntu VM to Kali Linux machine using netcat
- Enabled remote command executive for non interactive & interactive commands, simulating real-world pen testing scenarios

### Property Listings Website

Apr 2024 - May 2024

- Collaborated in a team of 5 to develop a fully functional property listing website
- Utilized React, Tailwind CSS, Flask and SQLAlchemy
- Followed Agile methodology and applied BCE framework

### Blockchain System

Nov 2023

- Constructed a Python-based blockchain system simulating proof-of-work between two parties
- Leveraged PubNub for real-time communication, establishing a secure network for transparent transactions.

### Car Model Predictor for Showrooms

Oct 2023 - Nov 2023

- Created a car model predictor using deep learning and image recognition techniques.
- Achieved 70% accuracy in recognizing car model.

## HACKATHON

### Appetizer Hackathon by NAVER Cloud and Korea Software Industry Association

Oct 2022 - Nov 2022

- Ranked Top 30 globally
- Developed a web-based signature identification and verification processes using Langcode and USIGN APIs
- Built with NodeJS, ReactJS, and MongoDB

## COURSES AND CERTIFICATIONS

- Certified in **Cybersecurity (CC)** by ISC2
- **Python, Java, and C++** Course Program by Bina Nusantara
- **CTF trainings** by NUS Greyhats, Bakkhos Labs, CSA Singapore, SG Cyber Youth

## SKILLS

- **Programming languages:** Python, MySQL, Java, C++, JavaScript, TypeScript, HTML, CSS, and Machine Learning
- **Frameworks:** React.js, Next.js, Node.js, Flask, and Streamlit
- **Technologies:** REST APIs, Postman, Linux, Ubuntu, Figma, Docker, phpMyAdmin, and Ethical Hacking
- **Languages:** Proficient in English, Chinese and Indonesian

## ORGANISATIONAL / LEADERSHIP EXPERIENCE

### Student Council - Sub-committee

- Directed large events like Freshmen Orientation and Social Nights, boosting student engagement and social connections for 150+ participants
- Led enrollment support for 100+ freshmen, addressing questions and providing guidance
- Demonstrated strong teamwork, coordination, and communication skills