

# Natasya Khoo

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## EDUCATION

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**Universiti Kebangsaan Malaysia**  
**BSc (Hons) Computer Science**

**Bangi, Selangor**  
**Jun 2023**

**Perak Matriculation College**

**Gopeng, Perak**  
**May 2019**

## CERTIFICATION

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**Google Data Analytics Certificate | 2022**

**Machine Learning by Stanford University | 2021**

## WORK EXPERIENCE

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**SNS Network (M) Sdn.Bhd.**  
**Software Engineer**

**Ipoh,Perak**  
**May 2023 - Present**

- Involves in system development and enhancement, coding & programming, troubleshooting, system study, system testing and supporting application software and systems.
- To integrate application and content, including those of third parties, to existing platform.
- Prepare, maintain and update system documentation for data, workflow, logical processes and interface with other systems.
- Training and integrating a suitable Machine Learning model into web application for prediction, forecasting and regression for business use cases.

**Strateq Systems Sdn. Bhd.**  
**Big Data Analyst Trainee**

**Petaling Jaya, Selangor**  
**Nov 2022 – April 2023**

- Built data visualizations and dashboards using Power BI to help stakeholders gain insights into business operations.
- Presented data insights to a team of executives, effectively communicating the impact of our analysis and recommendations for future business strategy.
- Analysed data on business process by identifying inefficiencies and recommend changes that improved efficiency of the services and reduce cancellation rates of the sector.
- Remove any irrelevant or duplicate information from the data set using python. Include removing data from unrelated business task or removing data that may have been entered incorrectly.
- Created comprehensive documentation using databricks for transformation codes that convert raw data from a car selling company into valuable insights, allowing users to efficiently navigate through the codes and comprehend the purpose and content of each cell.

**Petronas Digital Sdn.Bhd.**  
**Data Quality Engineer Trainee**

**Kuala Lumpur, Malaysia**  
**Dec 2022 - Feb 2023**

- Worked with the data engineering team to develop ETL processes that extract data from sources given, transform it into a usable format, and load it into a target database or data warehouse using SAP BODS

**RE2 International Computer School**  
**Customer Service Representative**

**Ipoh, Perak**  
**Jan 2022 - Oct 2022**

- Resolved customer complaints and issues in a timely and professional manner
- Documented customer interactions and reported trends to management
- Assisted with merchandising and inventory management.

## PROJECT EXPERIENCE

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### Lyrics Based Emotion Classification

Jul 2021 - Jan 2022

- A project of classifying human's emotion using Malay patriotic song as dataset and NRC Emotion Lexicon as a guideline for final output. Four Machine Learning model was used in training the data for a better classifying task. The final output consists of 8 classified emotion as it can turn into a dashboard application that can help musicians and lyricist come up with better idea on writing lyrics that can help motivate the people to invoke feelings of patriotism in them.

### Symptom Based Emotion Classification

Mar 2022 - Apr 2022

- A collaboration of computer science and healthcare students that work together to accomplish a user friendly pre-diagnosis NCDs website. The whole project is completed within a month time from training to deploy the Machine Learning model to websites.

### Hotel Booking Website

April 2023 - Present

- The Hotel Booking Website using the MERN stack will provide a comprehensive platform for users to search, book, and manage hotel reservations. By leveraging the power of MongoDB, Express.js, React.js, and Node.js

## LEADERSHIP EXPERIENCE

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### Turtle Bot Simulation Workshop

- Plans the flow of workshop with other facilitator, guide and manages a group of juniors aged between 7 to 13 years old to ensure that objective of the workshop is met effectively. The desired outcome is to ensure the participant understands and able to implement the basic command of ROS using Linux OS.

### Robot Operating System Webinar

- Invited two professionals speaker specialized in computer engineering and drones navigation to deliver a talk regarding the pathway of becoming an engineer as a fresh graduate and how the drones is using ROS to achieve successful navigation.

### Java Mentor Mentee Programs

- Awarded as the best mentor by PERTAMA organization who guides juniors of first year in their programming journey in Java by completing syllabuses and practise with them.

## SKILLS

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**Hard Skills:** Pandas, Regression , Classification, Machine Learning, SQL, Python, Java, HTML ,CSS

**Language:** Mandarin, Cantonese, English , Malay

**Visualization Tool:** Power BI, Tableau, Microsoft Excel