

# MAIMUNAH ISKHANDER

## Data Analyst

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### EXPERIENCE

#### Instructional Associate

General Assembly 01/2024 - Present

- Facilitated learning in data analytics tools and programming such as Excel, Power BI, Tableau, PostgreSQL, MYSQL Server and Python.
- Ensured 100% student success rate in capstone projects through one-on-one mentorship.

#### Senior Teaching Associate

The Pique Lab 05/2021 - 06/2023

- Spearheaded the mathematics department, worked with various departments in Singapore and the Philippines to develop curriculum materials, interviewed and trained new teachers.
- Head of curriculum for 3 levels, teaching regular classes and master classes.
- Integrated Excel and GeoGebra into curriculum development to cut down development time by more than 50%.
- Developed more than 10 educational content in 6 months ranging from blog posts, YouTube videos and Instagram posts.

#### Curriculum Specialist

On Sponge Pte Ltd 10/2018 - 05/2021

- Headed the secondary mathematics department, taught primary and secondary mathematics, interviewed prospective teachers and audited teachers for quality.
- Achieved outstanding student success rates with over 80% A\* in PSLE Mathematics and over 90% distinctions in GCE 'O' Level Mathematics.
- Produced popular educational videos for Secondary Mathematics used across 11 centres.
- Created quarterly academic dashboards and reports for stakeholders.

#### Assistant Senior Editor

Marshall Cavendish Education 11/2013 - 06/2018

- Spearheaded the development and successful publication of various textbook titles such as My Pals are Here! (3rd edition), CIE Math, Primary US Mathematics and Math in Focus (MIF), overseeing every stage from inception to publication.

#### Editor

Star Publishing 11/2012 - 07/2013

- Led editorial team for 5 Discover Mathematics textbooks for Singapore and US markets.
- Secured 3 Ministry of Education (MOE) tenders in 4 months, playing a critical role in the expansion of the company's educational portfolio.

#### Teacher

Ministry of Education 06/2005 - 10/2012

- Taught Secondary Mathematics and Computer Applications.
- Led the GCE 'N' Level Computer Applications class to historic highs in 2009 with a 100% pass rate and over 90% distinctions.
- Coached secondary school students to win top 5 places in the Graphic Calculator Design competition.

### EDUCATION

#### Data Analytics with SQL and Tableau

Heicoders Academy

Present

#### Data Science Immersive (Python & Machine Learning)

General Assembly

2023

#### Master of Education in Mathematics

National Institute of Education

2020

#### Post Graduate Diploma in Education (Mathematics, CPA)

National Institute of Education

2006

#### Bachelor of Science (Computational Science, Applied Mathematics)

National University of Singapore

2005

### SUMMARY

Experienced math educator with a proven track record of inspiring and educating students in mathematical principles. Leveraging a strong foundation in mathematics, I have successfully transitioned into the field of data analysis, where I apply my analytical skills to derive actionable insights from complex datasets. Seeking opportunities to contribute my expertise in data analysis to drive informed decision-making and drive organisational success.

### PROJECTS

#### Math Mentor Chatbot

AI powered chatbot to provide students with an alternative way to get help for PSLE math.

- Tools used: Python, OpenAI, Retrieval Augmented Generation (RAG), Llama-index, Streamlit

#### West Nile Virus Predictor

Predictive modeling using Light GBM to identify the presence of West Nile Virus in mosquitoes.

- Tools used: Python, Scikit-learn, Pandas, NumPy, Seaborn, Matplotlib, SciPy, Imblearn

#### Reddit Classifier

Used Reddit to gain insights from Disney+ and leveraged on it to boost Netflix sales.

- Tools used: Python, NLTK, NumPy, Re, Seaborn, Matplotlib, GenSim, Spacy, Sklearn, XGBoost

### SKILLS

Python	Matplotlib	Seaborn	Pandas	
NumPy	NLTK	GenSim	Spacy	Scikit
Scikit-Learn	Regex	SQL	Javascript	
BeautifulSoup	Selenium	Pypeteer		
Microsoft Word	Microsoft Excel			
Microsoft Power Point				
Data Science	Statistics	Machine Learning		

### CERTIFICATION

#### Data Science Course

General Assembly, 2023

#### SQL (Basic)

Hackerrank, 2024

### LANGUAGES

English	Proficient	●●●●●●
Malay	Proficient	●●●●●●