

Shariff Sarip-Abidinsa (he/him, currently pursuing [MISM-BIDA](#) at Heinz College)+1 (412) 330 - 0121 | sbinsari@andrew.cmu.edu | Pittsburgh, PA | LinkedIn: [linkedin.com/in/shariffsarip](https://www.linkedin.com/in/shariffsarip)**WORK EXPERIENCES****Bank Negara Malaysia (The Central Bank of Malaysia)****Kuala Lumpur, Malaysia****Supervisor (Data Analytics Unit)****Jan 2023 – present**

Associate Supervisor (Data Analytics Unit)

Sep 2020 – Dec 2022

- Main role: conducting oversight on nearly 400 payment services industry players in Malaysia by leveraging data analytics and effective risk management to ensure Malaysia's financial stability
- Reduced multiples tasks' completion time by more than 50% by automating manual processes using Python
- Spearheaded self-service analytics by developing Power BI dashboards used by more than 100 stakeholders
- Surfaced suspicious transactions for further investigations using weakly supervised machine learning techniques
- Enhanced forecasting of daily transaction spikes by using TBATS model and process automation via Python
- Prepare quarterly management reports, intelligence reports and management memos in response to ad-hoc information requests made by external stakeholders such as the ministries, World Bank, OECD, and various media outlets

Etika Insurance Singapore**Singapore City, Singapore****Data Analyst****Mar 2020 – Aug 2020**

- Conducted studies on insurance products to drive commercial results using Python and SQL by identifying key problems and applying statistical data analysis techniques
- Developed Qlik Sense dashboard on products' performances to facilitate stakeholders' decision-making process
- Improved marketing campaign penetration by discovering actionable insights through data modelling
- Developed a deep learning model predicting missing features in the company's databases

The Center of Applied Data Science**Kuala Lumpur, Malaysia****Data Scientist****Mar 2019 – Feb 2020**

- Analyzed partners', clients' and internal data using Python and delivered recommendations based on discovered insights to project managers and the chief operations officer
- Designed training materials and delivered Statistics, Data Storytelling, Data Analytics, Machine Learning trainings to over 500 enterprise and government clients
- Boosted partners' business performances through data analytics and coached client trainees on how to derive results using data science tools in their day-to-day job via capstone projects

SKILLS

Programming & modeling: python, R, statistical data analysis, machine & deep learning, natural language processing

Databases: SQL, NoSQL, graph database (Neo4j)

Visualization: Power BI, Qlik Sense, Tableau

Domain knowledge: money laundering, terrorism financing, proliferation financing, payment fraud & financial technology

Languages: Malay (native) & English (professional proficiency)

EDUCATION**University of Malaya****Kuala Lumpur, Malaysia**

Master of Applied Statistics (GPA: 3.89/4.00, part time)

Sep 2019 – Jul 2022Thesis: "[Determinants of COVID-19 Death Rate: A Comparative Analysis of Supervised Machine Learning Models](#)"**University of Wisconsin-Madison****Madison, WI, USA**

Bachelor of Science – Mathematics (GPA: 3.25/4.00)

Aug 2015 – May 2018

Concentration: Actuarial Science

AWARDS, CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS

- Certified anti-money laundering specialist ([CAMS](#)) by ACAMS
- Co-winner of [best paper presented](#) by a young statistician 2024 awarded by the Bank for International Settlements (BIS)
- Shortlisted for & presented at [BIS Analytics Challenge 2025](#) for establishing an AI-powered compliance check solution
- Received a full-ride scholarship for undergraduate studies awarded by the Public Service Department of Malaysia
- Graduate of [MITx's MicroMasters](#) program in Data, Economics, and Design of Policy (DEDP)