

# Faidhi Hakim Mohd Nordin

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## EDUCATION

BSc Actuarial Science, **London School of Economics (LSE)**

London, UK | 2019-2022

- 2:1. Relevant modules: Finance, Statistics, Economics, Actuarial, Data
- **R Projects:** *Loan Amortization Schedule*: broke down the interest and principal to a table using for loop  
*Pension Premium*: conceptualised the survival table with the current interest rate to calculate expected present value
- **Publications:** [Python Starter Book](#), 'Malaysia Family' from A Social Perspective Paper, Github: [Faidhi066](#)

Kolej MARA Seremban (KMS)

N. Sembilan, Malaysia | 2017-2019

- A-Level: Mathematics (**A\***), Economics (**A**), Further Mathematics (**B**), Accounting (**A\***)
  - Obtained Principal's Award for three consecutive semester exams based on grade points
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## WORK EXPERIENCES

Bank Negara Malaysia, *Associate Software Engineer*

KL, Malaysia | Apr 24-Ongoing

- **Azure Generative AI** – Frontend lead for Teams bot on Azure platform using bot framework
- **AWS Generative AI** – Led the team for frontend using NextJS framework and serverless architecture
- **BNM Call Tree** – Assisted in BNM Disaster Call Tree using Power Apps development

Bank Negara Malaysia, *Digital Graduate Analyst*

KL, Malaysia | Sep 22-Mar 24

- **Social Media Automation** – Led the team for frontend and backend automation that saves 98% excel work
- **Generative AI** – Led the team for frontend work on streamlit, Teams app and NextJS website
- **Follow the Money** – Analysed fraud patterns on Gephi using various metrics like page-rank
  - Trained multiple algorithms on graph network on transactions to detect fraud pattern
  - Added a machine detection layer to human detection system in fraud detection
- **Vendor Assessment System (VAS)** – added user features, improved the UI and integrated VAS with aNota
- **MyStats Paper (Rising Land Temperature)** – led the team for research and presented at the conference 🔗

Telus International AI, *Data Analyst*

Online in UK | Aug 22

- Analysed map queries based on four aspects – relevance, name, address, pin
  - Scored 100% in first assessment at first attempt
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## ACTIVITIES

Winner of LSE Practitioners Challenge (LSTM VS GARCH) 🔗

Jan 22-Mar 22

- Guided a team of four to investigate the best stock model using LSTM and GARCH for Aviva Insurance Company
- Added ARMA and AR model to improve the GARCH model and used VAR for metrics comparison, which improved the model by 5% accuracy

Professional Certificate in Data Science, IBM 🔗

Jul 20-Jul 21

- Average score: 92.1%
- Implemented the k-nearest neighbour algorithm to determine strategic locations to build a Chinese restaurant in Toronto 🔗
- Webscraped Yahoo Finance using BeautifulSoup for stock analysis and visualised in an interactive dashboard using the Dash plugin

LSE Research Your Researcher (Functional Graphical Model)

Jan 21-Mar 21

- Prepared the R code for covariance matrix from ECG data
  - Presented the paper to students and professors in LaTeX Overleaf slides
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**Language** – English (fluent), Malay (native), Indonesian (intermediate), Arabic (intermediate)

**IT Skills** – Python, NodeJS, TypeScript, Laravel, Golang, R

**Interest** – Music, Stock Trading, ESG Investment, Actuarial