

HAZMAN NAIM BIN AHSAN

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PROFESSIONAL SUMMARY

Highly motivated graduate of Bachelor of Science in Physics from Universiti Malaya with a CGPA of 3.68, offering a strong foundation in Mathematics and Science. Recognized as a gold medalist in the International Astronomy Astrophysics Competition 2021. Currently working as a freelance tutor in Science subjects, actively upskilling in data science, data analytics, and programming. Seeking a data science and data analyst position in IT, technology, and related fields to apply my expertise in machine learning, coding, and big data analysis. Committed to utilizing advanced analytical techniques and data-driven insights to solve complex problems and drive innovation in the field of data science.

EDUCATION

Universiti Malaya

Bachelor of Science in Physics

Kuala Lumpur, Malaysia

Sept 2019 - Mar 2023

- Grade: *Pass with Honours* 3.68 (CGPA)
- Relevant Courses:
Mathematical Methods, Practical Physics, Statistics, Numerical and Computational Methods, Instrumentation, Electronics, Electromagnetism, Waves and Vibrations, Mechanics, Optics, Materials Science, Radiation Physics, Thermal Physics, Solid State Physics, Astrophysics, Atomic and Molecular Physics, Nuclear Physics
- Final Year Project:
Studies on Bipolar Outflows in Star Forming Region AFGL5142 with ALMA

Universiti Malaya

Foundation Studies in Science (Physical Science)

Kuala Lumpur, Malaysia

Sept 2018 - Aug 2019

- Grade: *Passed and Completed* 4.00 (CGPA)
- MUET: *Band 3*
- Relevant Courses:
Mathematics, Advanced Mathematics, Programming, Chemistry

EXPERIENCE

Personal Tutor

Freelance

Seri Iskandar, Malaysia

Mar 2023 - Present

Subjects: *Mathematics, Additional Mathematics, Physics*

- Utilized personalized teaching methods to successfully tutored a total of 5 students to date in Additional Mathematics, Mathematics, and Physics, resulting in an approximate 80% increase in understanding of every topic, and receiving positive feedback for inspiring students' interest in these subjects.

Research Intern

Accelerator Development Centre, Malaysian Nuclear Agency

Bangi, Malaysia

July 2022 - Sept 2022

Topics: *Gas Discharge and Plasma Physics, Nuclear Physics*

- Operated the 3.375 kJ Mather-type plasma focus device and designed a diagnostic tool for measuring ion beams in a wide energy range.
- Assisted engineers and science officers in equipment maintenance and troubleshooting, ensuring smooth operation of various scientific equipment.
- Developed practical skills in soldering, critical analysis, electrical circuit construction and gained knowledge and experience in radiation safety protocols.

TRAINING AND CERTIFICATION

IBM Data Science Professional Certificate

Present

Coursera

- Gained expertise in solving real-world problems and develop a strong foundation in data science, including applying the Data Science methodology, working with Jupyter notebooks, and creating Python applications.
- Acquired skills in accessing relational databases using SQL and Python, utilizing Python libraries to generate data visualizations, and performing data analysis using Pandas.
- Developed proficiency in constructing and evaluating Machine Learning models with Scikit-learn and SciPy, actively applying data science and Machine Learning techniques to real location datasets, showcasing dedication to continuous learning and professional growth in the field of data science.

Certified Professional In Quality Management Tool - 7QC Basics Tools

May 2023

DUKE Training And Consultancy

- Proficient in utilizing the PDCA cycle and the 7 QC Tools for effective problem-solving, resulting in improved efficiency, quality, and productivity within the organization.
- Skilled in analyzing and interpreting data using statistical techniques, such as Pareto charts and control charts, to identify root causes and implement data-driven process improvements.

SKILLS

Portfolio	Personal Website(Link), GitHub(Link)
Programming Language	Python, R, C, L ^A T _E X, SQL
Softwares and Tools	IBM Watson Studio, GitHub, Git, Jupyter, Anaconda, RStudio, Pandas, NumPy, BeautifulSoup
Data Science and Analysis	Data Mining, Web Scraping, CRISP-DM
Operating System	Windows, Linux (Debian, Ubuntu)
Soft Skills	Quality Management, Analytical Reasoning, Attention to Detail, Problem Solving, Research, Teamwork
Language	Malay (Native Proficiency), English (Professional Working Proficiency)

LEADERSHIP AND SERVICE POSITIONS

Volunteer	Jan 2020 - Present
Apadilangit Volunteers Community (Official Website)	
Volunteer	Jan 2021
Astronomers Without Borders (Official Website)	
Volunteer	Dec 2021
Volunteering Secretariat University of Malaya	
Bureau of Multimedia	Feb 2020 - July 2020
Universiti Malaya Physics Society (PERFUM)	

HONOURS AND AWARDS

Best Presentation Award	June 2022
for undergraduate final year project in Department of Physics, University of Malaya	
Gold Honour	July 2021
for International Astronomy Astrophysics Competition (IAAC)	