

Dear Hiring Team,

Application for Data Scientist-related position

My name is **Nazril Daniel Bin Abdullah**. I am **Center of Applied Data Scientist (CADS)-certified Junior Data Scientist** that just recently completed 2-month intensive program to become a competent Data Scientist. During the 2-months certification training period, I have been exposed with **Python for Data Analytics, Data Storytelling & Visualisation** as well as **Tableau, SQL essentials, Statistics (Descriptive & Inferential), Machine Learning, BDA with Apache Sparks, Deep Learning and Natural Language Processing (NLP)** to name a few. I also have a degree in **Bachelor of Engineering (Hons) Chemical Engineering** program from **Universiti Teknologi PETRONAS** majoring in **Process Analysis & Control**. I have more than 3+ years of experience in engineering-based planning, coordinating and project management which includes project with multiple big clients such as Petronas and PTTEP.

I am seeking the opportunity to **fill the vacant position** at your company. I am interested to be a part of organisation in which I can effectively **utilize and integrate** my talents as well as knowledge in both as **Data Scientist** and Chemical Engineering and at the same time, gain valuable perspective on real-life exposure to industry. Along the way of my carrier journey, I am honoured and lucky to be able to dives myself into multiple engineering cutting edge project with renowned clients such as PRSB, Petronas and PTTEP. Apart from the **Data Scientist** technical expertise and engineering technical skills that I obtain during my involvement; I was also able to pick up the skills with regards to project management and manpower coordination. I'm sure that my skills will be suited perfectly utilised in line with your company objective.

Throughout my studies, I have actively participated in various extracurricular activities in which I develop my soft skills by working with people from various background and interact effectively with a wide range of personalities. These activities particularly develop my communication & interpersonal skills as well as leadership & problem-solving skills, skills which will all prove essential as competent Data Scientist.

Furthermore, I am recognized as a fast learner and demonstrated the desire to go the extra mile in achieving set targets. Hence, I would welcome the privilege of speaking with you further in a formal interview.

Thank you for your time and consideration.




With warm regards,




(Nazril Daniel Bin Abdullah)
Bachelor of Engineering (Hons) Chemical Engineering
Certified Junior Data Scientist

NAZRIL DANIEL BIN ABDULLAH



 26 years old
 013-9525 772
 55-J, Jalan Baru Pak Sabah
23000, Dungun, Terengganu

@ nzrldaniel@gmail.com
 www.linkedin.com/in/nazrildaniel

Certified Junior Data Scientist with strong fundamentals in Python for Data Analytics, Machine Learning, SQL & NLP. Previously a **Chemical Engineer** with 3+ years of experience in engineering-based planning, coordinating and project management which includes project with multiple big clients such as Petronas and PTTEP. Possess a strong academic knowledge in both Data Scientist and Chemical Engineering field. Recognized as an excellent communicator with solid multitasking abilities. Able to lead as well as spearhead quality teamwork across various extracurricular initiative while can be counted upon in completing the tasks within set timeframes.

Career History

Universiti Teknologi PETRONAS (Oct 2020 – Aug 2021)

Research Officer (Institute of Autonomous System (IAS))

- Proof-of-concepts (POC) study for the development of rapid fluid analysis device for application in Enhanced Oil Recovery (EOR) flooding system.
- ANSYS Fluent is used to conduct Computational Fluid Dynamics (CFD) simulation of the microfluidics channel and droplet formation
- MATLAB is used to detect and analyze droplet shape using image processing toolbox
- Management of project by doing grant monitoring, quarterly reports, end of project report, and other documentations as required
- Administration of lab by doing inventory tracking, purchasing, engage with vendor for equipment maintenance, and participate in audits (as and when required)

Universiti Teknologi PETRONAS (Sept 2019 – Sept 2020)

Special Services

- Provide support during experiment testing period for Benfield Project (Petronas) and VibPack Project (PTTEP) which involves operation of corrosion test, stripping test, foam test and solvent degradation test
- Liaison with external parties with regards to utilities, central and central warehouse with regards to research operations
- Coordinate for maintenance work and planning for critical equipment

Universiti Teknologi PETRONAS (Jan 2018 – Sept 2019)

Research Project Manager / Graduate Assistant

- Fabrication of Polymeric membrane (symmetric and asymmetric) morphology and performance evaluation using binary gas experiment of CO₂ and CH₄
- Evaluation and optimization of operating parameter using Design of Experiment (DOE) software

PETRONAS Research Sdn. Bhd. (Sept 2016 – Apr 2017)

Fluids Technology Department Trainee

- Involve in polymeric membrane project for CO₂ gas removal from natural gas. Involve in various testing of the membrane technology such as QC test, permeability test, membrane selectivity determination and pilot plant simulation.
- Entrusted to conduct a research on membrane aging and lifetime determination for performance prediction of the membrane over time.
- Took the initiative to learn about membrane production in which, up to 60 parameters need to be considered in order to produce a defect-free membrane.

Academic Background

Universiti Teknologi PETRONAS

Bachelor of Engineering (Hons) Chemical Engineering

Major: Process Analysis & Control

GPA: 3.30 | CGPA: 3.10

Chemical Engineering Foundation

GPA: 3.72 | CGPA: 3.43

Technical Literacy

Software	Proficiency
Python SQL Tableau Talent Open Studio MongoDB Apache Sparks MATLAB Ansys Fluent DOE software	Professional working proficiency
Dev C++ COMSOL Multiphysics Aspen Hysys	Limited working proficiency
Certifications	
1. Certified Junior Data Scientist from Center of Applied Data Science (CADS)	

Skill & Strength

Technology Design & Programming

- Development of image processing toolbox algorithm using MATLAB in order to determine droplet shape, size and detachment time
- Perform multiple machine learning algorithm for model evaluation in order to give meaningful insight and accurate prediction.

Reasoning, Complex Problem Solving & Ideation

- Pioneer of rapid on chip measurement device proof of concept for MMP measurement for EOR which enable rapid, low-cost analysis with small footprint compare to conventional analysis method

System Analysis & Evaluation

- Comprehension of the mechanics behind the current pilot plant used for gas membrane testing and come out with completely new PID and design that cut the analysis time by half

Management skills

- Association with multiple engineering-based project and liaised with multiple party in order to ensure the projects can be run smoothly.
- Able to consolidate the manpower effectively in order to ensure the project can be completed upon specified timeline

Extracurricular Involvements

Relevant Projects & Research

Target Market Analysis (Data Star Capstone Certification Project)

- Design a predictive model to determine the potential customers who will purchase if you send the advertisement using machine learning model which include Support Vector Machine (SVM), K-nearest Neighbor (KNN), Decision Tree & Logistic Regression.
- Perform data wrangling, feature engineering, and data pre-processing in order to obtain impactful insight based on the raw data provided
- Evaluate and compute the model of the model and compare it with the default model in order to suggest the best model based on its respective revenue, precision, recall and accuracy.
- <https://github.com/Virementz/Capstone-DataStar>

Hotel Booking Demand Analysis & Cancellation Prediction

- Conduct data cleansing, data transformation and exploratory data analysis on the raw data
- Provide various descriptive analytics and insights based on the given raw data
- Suggest the use cases suitable here from the perspective of the hotel owner and also the customer
- Develop machine learning model to predict bookings cancellation using Random Forest Classifier, Decision Tree and Logistic Regression
- <https://github.com/Virementz/PETRONAS>

Involvement	Job Scope	Impact
Assistant Project Manager, Mahasiswa Prihatin for You (MP4U) 2016	1. Entrusted to lead a team of 25 people to make sure that the event run successfully 2. Secured a total fund of RM 7000 as a team through sponsorship & donation drive to support the event financially	Best MPU4 Project for year 2017 Pioneer to more upcoming CSR and collaboration between UTP and Dapur Jalanan Ipoh
Assistant Head of Department for Economy & Sponsorship, Cybergen 2016	1. Assist & Supervise the progress of the department to achieve a target sponsor of RM 6000 2. Delegates and evaluate responsibility among team members	Project were executed successfully; more than 100 students benefit through the program
Human Resource Department, ICheme 2016	1. Plan and arrange various activities for the committee and also the club members such as family day and industrial visit 2. Handle most of the documents about the clubs such as member database & proposal writing	Revival and revampment of the club into new, progressive club that starts to attract more membership
Committee of Public Relation, Festival of Color (FESCO) 2015	Liason with multiple universities with regards to participation sponsorship of the event which involves encouraging exposure with regards to traditional Malaysian dance competition	For the first time, the event starts to make profit of more than RM1000

Referees

Name: Professor Dr Nor Hisham Bin Hamid,
Position: Deputy Vice Chancellor, Student Affairs
Company: Universiti Teknologi PETRONAS
Contact: hishmid@utp.edu.my

Name: Siti Atina Muhamad Yusuf
Position: CADS Campus Placement Lead
Company: The Center Of Applied Data Science, CADS
Contact: atina@thecads.com/012-6887430

Data Star

A program to fast-track the
development of data professionals



CADS

FUTURE PROOFING THE WORLD!

This is to certify that

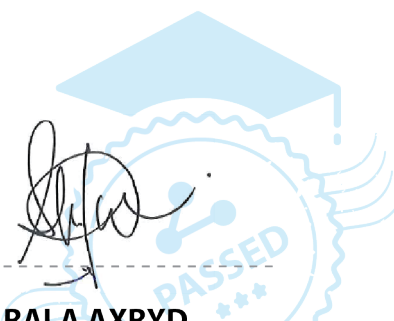
Nazril Daniel Bin Abdullah

Has successfully completed the

Data Star Program

Junior Data Scientist

27/09/2021 – 18/11/2021



SHARALA AXRYD

FOUNDER AND CHIEF EXECUTIVE OFFICER
THE CENTER OF APPLIED DATA SCIENCE

Scholar ID: GDSC215021



UNIVERSITI
TEKNOLOGI
PETRONAS

19 July 2021

To whom it may concern,

RECOMMENDATION LETTER FOR NAZRIL DANIEL BIN ABDULLAH

I was pleased to hear that **Nazril Daniel Bin Abdullah** has applied for the position in your company. I highly recommended Nazril Daniel as a candidate for employment. For your information, Daniel was employed **by Universiti Teknologi Petronas** as **Research Officer** within my supervision from October 2020 until August 2021 under the Institute of Autonomous System (IAS).

I have worked very closely with Daniel throughout his service employment period and I can say that Daniel has exhibit one of the highest levels of productivity with regards to his job scope while consistently maintaining high standards for quality and accuracy. During his whole service period, he took the challenge to be the sole focal person for the rapid on chip device for MMP measurement project. His fast-learning skills and comprehension ability allows him to catch up with the already 2 year running project in a short order. He focused in executing the task, and delivered the results within project dateline.

Proactive in anticipating rising industrial needs, he takes initiative to go beyond expected parameters of his job. He also has the analytical skills to diagnose problems and devise viable solutions. He took the matter in his own hands in order to improve HYSYS simulation results while also further improving MATLAB algorithm which are used to detect and analyze droplet shape using image processing toolbox without neglecting his day-to-day job scope.

Daniel fulfilled employment responsibilities with minimal supervision. He is serious with his purposes, meticulous in his work and reliable in all assigned duty. He is always supportive towards his fellow colleague and provides synergy into the workplace. He tremendously helps a new fellow Research Officer to settle down into his role while working together towards common objectives.

Daniel would be a tremendous asset to your company and has my highest recommendation. If you have any further questions with regard to his background or qualifications, please do not hesitate to contact me at hishmid@utp.edu.my

Professor Dr Nor Hisham Bin Hamid,
Deputy Vice Chancellor, Student Affairs

UNIVERSITI TEKNOLOGI PETRONAS
INSTITUTE OF TECHNOLOGY PETRONAS SDN. BHD.
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Tel : 1 300 22 8887 Fax : 605-365 4075 Website : www.utp.edu.my

To whom it may concern:



LETTER OF RECOMMENDATION

It is my absolute pleasure to recommend **Nazril Daniel Bin Abdullah** for applied position with your company. Nazril has successfully undertaken a practical training cycle at **PETRONAS Research Sdn Bhd** for eight months from 12th September 2016 to 21st April 2017, with the Fluids Technology Department.

Nazril is honest, responsible, and incredibly hard-working. Beyond that, he is an impressive fast learner, allowing him to have a grasp on a topic in a short amount of time. During his attachment to one of the project team, he took the challenge as being the focal person for GC analysis after a short learning time in order to assist the team in meeting project dateline. He focused in executing the task, and delivered test results on time. He also took initiatives to participate in lab-scale testing, which involved quality control and product performance evaluation.

Nazril's knowledge in chemical engineering and his dedication of self-improvement were influential. He put the skillset to work in order to deliver reliable test results. He took up the challenge to conduct a study on membrane aging and manage to provide a general understanding on physical aging for polymeric material. He is independent in pursuing knowledge to deliver the task entrusted to him. His curiosity allows him to explore new topics, yielding a rich awareness.

Along with his undeniable talent, Nazril has always been an absolute joy to work with. He is a true team player, and always manage to foster positive discussion and bring the best out of other employees. He actively involved in events organized by the company such as GR&T Health Day, GR&T Appreciation Day and CSR: Rohingya Cheer to School as both committee member and also participant.

Without doubt, I confidently recommend Nazril to join your company. As a dedicated and knowledgeable employee and an all-around person, I know that he will be a beneficial addition to your organization.

Please feel free to contact me at fauzyomar@petronas.com.my should you like to further discuss Nazril's qualification and experience. I'd be happy to expand on my recommendation.

Sincerely,

Fauzy Omar Basheer B Osman

A handwritten signature in black ink, appearing to read "Fauzy Omar Basheer B Osman", written over a dotted line.

Head
R&D Fluids Technology
PETRONAS Research Sdn. Bhd.

Official Sponsor



FOCUSED RECOGNITION

I want to recognise **Nazril Daniel Abdullah Ros Anita Deraman** for demonstrating

☒ Results Matter

☐ Nurture Trust

☒ Own it!

☐ Tell Me

☒ Focused Execution

☐ Shared Success

in the following manner:

PN2 team faced challenges in manpower arrangement to support testing for TRL presentation. When En Azrul was required to assist testing in the lab or MPTR2, he took the challenges to be the GC operator for all test samples. He focused in the tasks and proactively delivered test results on time. He also participated and took initiatives to understand the lab testing which involved QC, mixed gas testing, and heavies.

By doing this, you have positively impacted the following key result(s):

Contribution to the success of TRL 4 for PN2 program

FT R&D PN2 Program Leader, W N Ffazida

Given by

20th December 2016

Date



FOCUSED RECOGNITION

I want to recognise

GR&T HEALTH DAY 2016 COMMITTEE

for demonstrating

☒ Results Matter

☒ Own it!

☒ Focused Execution

☐ Nurture Trust

☐ Tell Me


☐ Shared Success

in the following manner:

1. Showing the respectful Result Matter, Focused Execution and Own It value in executing the GR&T Health Day 2016.
2. Delivered highest professionalism and team work effort in ensuring the execution of GR&T Health Day 2016 even with limited time frame.

By doing this, you have positively impacted the following key result(s):

The successful of GR&T Health Day 2016 which unite all staff in healthy & enjoyable event.


NIK M SALIM NIK M SALLEH
Head, PD&T HSE PRSB

Given by

21 Nov 2016

Date

PETRONAS Cultural Beliefs