

# MUHAMMAD ABIZAR ALGIFHARY THAHIR

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## SUMMARY

Aspiring data analyst and petroleum engineer with experience in machine learning, data analysis, and economic feasibility. Able to deliver reasonably accurate machine learning algorithm predictions and develop practical applications, such as a Python-based CRUD system. Experienced in economic modeling for energy solutions and optimizing oil extraction processes. Bachelor's in petroleum engineering from Universitas Trisakti and advanced English proficiency.

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## EXPERIENCE

September 2024

### **Purwardhika Digital Technology School – Data Scientist and Machine Learning Program** **Setiabudi, Jakarta**

- Built and implemented a machine learning model using CatBoost algorithm to estimate property prices from California historical housing prices data. Achieved average price prediction error only 3% of actual average price and undercut average actual price estimates by 6500 US\$.
- Generated an insightful recommendation for stakeholders using data of recorded trips from NYC – TLC using exploratory data analysis and inference statistical methods.
- Applied and created a CRUD application for inputting patient data for emergency disaster response hospital using Python programming language.

May 2018

### **PPPTMGB LEMIGAS – Research Intern Program** **Cipulir, Jakarta**

- Simulated an economic model using feasibility analysis of Gas-To-Liquid Technology implementation to a reservoir reserve estimated of 10.73 trillion cubic feet in methane and 209 million stock tank barrels of condensate as a solution to a declining national fuel reserve. Determined that the economical value of the technology can only be viable when the global crude oil price reached above 80 US\$ a barrel.

Agustus 2014

### **PT. PERTAMINA ASSET 1 ADERA – Petroleum Engineer Trainee Program** **Prabumulih, Palembang**

- Simulated hydraulic jet pump well extraction using PIPESIM. Monitor and inspect jet pump equipment installation and liquid distribution systems. Successfully installed, tested, and operated with maximum achievable targeted flowrate ahead of scheduled timeline.

June 2012

### **Pusat Pendidikan dan Pelatihan Minyak Bumi dan Gas – Petroleum Engineering Certification** **Blora, Cepu**

- Observe, log, and report various oil and gas operations and activities related to exploration and exploitation of oil and gas reserves. Successfully passed course with average grades within scheduled timeline.

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## EDUCATION

2011 – 2018 **Universitas Trisakti** **Grogol, Jakarta**

Bachelor of Science Petroleum Engineering. GPA: 3.17/4.00

**Thesis:** Economic Model Analysis of Gas-To-Liquid Technology Implementation on 'MSL' Block Field 'A' Indonesia.

2015 – 2017 **Wall Street Institute of English** **Senayan, Jakarta**

Advance Class Mastery Level 2

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## ADDITIONAL

**Technical Skills:** Adobe Photoshop, Apache Spark, Google Colab, Google Looker, Jupyter, Microsoft Office Suites, MySQL, PIPESIM, PowerBI, Python, Tableau, Visual Studio Code.

**Languages:** Native in Indonesian; Fluent in English; Basic in Japanese.