

# Naufal Alkhalis

(+62) 8136 5332 052 \* hi.alkhalis@gmail.com \* alkhalis.id

## SUMMARY

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I am an experienced AI/ML Engineer with in-depth knowledge of various Machine Learning and Deep Learning algorithms using Tensorflow and Pytorch. Additionally, I possess strong data analysis skills, being proficient in cleaning, transforming, and efficiently analyzing data to gain meaningful insights. My ability to implement complex machine learning models and optimize their performance adds value to the projects I work on. As an AI/ML Engineer, my strengths lie in a deep understanding of algorithms, meticulous data preprocessing skills, and the capability to develop and deploy models in production environments. Moreover, I am also adept at project management, which contributes to the success of the projects I handle.

## EDUCATION

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### **SYIAH KUALA UNIVERSITY, Banda Aceh**

*FMIPA Informatics, 2020 – 2024*

- GPA: 3.77/4.00
- Major in Database and Data Mining

### **BANGKIT ACADEMY BATCH 1 2023 by Google, Gojek, Tokopedia, and Traveloka**

*Machine Learning, Feb 2023 – Jul 2023*

- Successfully completed the program out of over 67,000 applicants.
- Most active member, specifically recognized by mentors.
- Graduated with top honors (Top 10% of graduates).

## EXPERIENCES

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### **MAHKAMAH AGUNG RI**

*IT & General affair, Jul 2024 - Now*

- Developed a website application by adding several additional features.
- Assisted with hardware maintenance in the office building.
- Helped manage social media and documentations
- Responsible for managing ICT and non-ICT equipment.

### **HMIF UNIVERSITAS SYIAH KUALA**

*Informatics Ambassador, Aug 2023 – Aug 2024*

- Conducting campus tours, explaining facilities and computer science programs.
- Serving as representatives of the computer science department, participating in formal events.
- Preparing presentations and budget plans for programs.

### **PRKP UNIVERSITAS SYIAH KUALA**

*AI/ML Engineer, Aug 2023 – Jan 2024*

- Building artificial intelligence models for image segmentation of coral reefs using deep learning algorithms.

- Calculating coral reef growth through segmentation results from the model and converting it into centimeters.
- Determining the percentage coverage of coral reefs through segmentation results.

## **POLDA ACEH**

*Web Developer, Feb 2023 - Sept 2023*

- Designed the majority of the features of the dorlap.com application using Figma.
- Created pages and features regarding Personality, Exam Schedule, Dashboard, Student Management, and PDF Export.
- Maintained the application for 4 months post-release.

## **UNIVERSITAS SYIAH KUALA**

*Laboratory Teaching Assistant of Numerical Computing, Sep 2022 - Dec 2022*

- Successfully managing the laboratory throughout one semester.
- Instructed more than 30 practitioners by providing new experiences in introducing the method used in numerical Computing.
- Facilitated Numerical Computing learning with Java to solving linear equations with the Tabular Method, Bisection Method, Regula False Method, Iteration Method, Newton-Raphson Method, Secant Method, Gauss Method, Gauss-Jordan Method and Gauss-Seidel Method.
- Increased more than 95% of the practitioners in having good grades

## **UNIVERSITAS SYIAH KUALA**

*Laboratory Teaching Assistant of Database, Jan 2022 - Apr 2022*

- Successfully managing the laboratory throughout one semester
- Instructed more than 30 practitioners by providing new experiences in introducing the method used in the database
- Facilitated Database learning with SQL, Create Database and Tables, Table Constraints, Insert, Update and Delete Data, Select Data, Selection Between Tables, SelfQuery, Subquery and Set Operation, View, Having and Null on Data
- Increased more than 90% of the practitioners in having good grades

## **ADDITIONAL SKILLS**

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- Project Management: Trello, Github, Git, Ms. Excel, Google Sheet
- Web Design: Figma, Canva
- Web Dev: JS, Python, CSS, HTML, Flask
- Data: Python, Tableau, Ms. Excel, Google Sheet, SQL