

ANDI ALIFSYAH DYASHAM

andyalifsyah4@gmail.com | <https://andialifs.github.io/> | +6285171213154

SUMMARY

An engineer primarily focused on backend development and artificial intelligence. Possessing 3 years of experience in developing backend and frontend systems, managing databases, and building/training AI models using various related technologies. Contributed to scientific publications in the field of natural language processing at several international conferences. In 2023, achieved the distinction of best graduate from the Faculty of Computer Science and the Information Systems study program at Brawijaya University with a GPA of 3.95, and has received over 15 national and international awards.

EXPERIENCE

PT Ihsan Solusi Informatika – Bandung, Indonesia 01/2025 – Present

Lead Backend Engineer

- Spearheaded the migration of 114 Transaction Types for the Core Switching System from legacy technologies to Golang microservices, including the implementation of observability and tracing.
- Spearheaded the 11 API development of the SNAP API for PT. POS Indonesia, ensuring compliance with Bank Indonesia's open API standards.
- Managed project communication, effectively reporting status, addressing issues, and aligning on goals and timelines with the project manager.

PT Ihsan Solusi Informatika – Bandung, Indonesia 09/2023 – Present

Backend Engineer (*Remote*)

- Developed API backend services for Sharia financial banking projects using Go, Python, Datsysctl, and gRPC.
- Responsible for the integration of Frontend and Backend technologies through support, deployment, and logging using Grafana, Docker, and Kubernetes.
- Accountable for the implementation of development and change requests for the core giro/banking system and back-office system of Bank Jabar Banten Syariah, PT. POS Indonesia and Pospay Mobile.
- Implemented a switching system for the QRIS Cross Border feature on Pospay Mobile

PACCMANN Academy Indonesia – Jakarta, Indonesia 04/2023 – 05/2024

Teaching Assistant (*Parttime Remote*)

- Provided assistance and graded final projects for a total of over 500 students in Skill Upgrade, Career Upgrade, and Junior Web Development Programs, utilizing a tech stack of Flask and Vue.js.
- Assisted instructors during live classes conducted via Zoom Meeting and Discord platforms

PT. Venturo Pro Indonesia – Malang, Indonesia 12/2022– 03/2023

Web Developer

- Developed backend web services using Laravel, Native PHP, and Go, as well as frontend web applications using Angular for PT. Venturo's internal management tools

Fakultas Ilmu Komputer Universitas Brawijaya – Malang, Indonesia 05/2022– 11/2022

Research Assistant

- Conducted research projects and co-authored papers under the guidance of the head of the learning laboratory unit, Faculty of Computer Science, Brawijaya University.
- Designed and implemented a rule-based chatbot using deep neural networks and natural language processing, leveraging the TensorFlow Keras API.

Fakultas Ilmu Komputer Universitas Brawijaya – Malang, Indonesia 01/2020– 06/2022

Laboratorium Assistant

- Mentored a total of 70 students in two different classes for the mobile programming practicum, 2022/2023 academic year.
- Guided 37 students in the database administration practicum, 2021/2022 academic year.
- Instructed 38 students in the fundamental database practicum, 2021/2022 academic year.
- Led 35 students in the fundamental programming practicum, 2021/2022 academic year.
- Supervised 39 students in the fundamental programming practicum, 2020/2021 academic year

Techno's Studio – Kendari, Indonesia 03/2021– 06/2021

Web Developer (*Internship*)

- Designed web application requirements using UML.
- Developed Point of sales web applications using the Laravel framework.
- Conducted requirements gathering

EDUCATION

Universitas Brawijaya – Malang, Indonesia2022 - 2025

Master of Computer Science (M. Kom), Computer Science Program

GPA: 3.65 – Cum Laude / Graduated With Honors

Thesis: "Prefix-Tuned Encoder-Decoder Pretrained Model for Mitigating Low-Resource Domain Cases in Chatbot Development"

Universitas Brawijaya – Malang, Indonesia2019 - 2023

Bachelor of Computer Science (S. Kom), Information System Program

GPA: 3.95 – Cum Laude / Graduated With Honors

Thesis: "Design and Development of a Retrieval-Based Chatbot for Helpdesk Automation at the Faculty of Computer Science, Brawijaya University"

AWARDS & RECOGNITION (Selected)

- **Awardee** of Scholarship and Fast-track Master's Program in Computer Science, Brawijaya University, 2022
- **Best Graduate**, Faculty of Computer Science, Brawijaya University, Period IX, 2023/2024
- **Best Graduate**, Information Systems Program, Faculty of Computer Science, Brawijaya University, Adjudication Period XIV, 2023/2024
- **2nd Place**, National Student Scientific Research Week, Mataram University, 2023
- **1st Place**, Master's Student Essay Competition, Anniversary of the Faculty of Biology, Jenderal Soedirman University, 2023
- **Gold Medalist**, Tanoto Student Research Award (TSRA), 2022
- **Bronze Medal**, International Youth Business Competition, Indonesian Young Scientist Association (IYSA), Entrepreneurship Category, 2022
- **Awardee** of Bank Indonesia Scholarship, 2022
- **2nd Runner Up**, Most Outstanding Student (MAWAPRES), Faculty of Computer Science, Brawijaya University, 2022
- **1st Place**, Business Case Competition, Faculty of Economics and Business, Haluoleo University, 2021
- **2nd Best Essay**, National Disaster Preparedness Day, UKM Search and Rescue (SAR), Haluoleo University, 2021
- **1st Place**, Scientific Article, Gallusia Student Press Organization, Faculty of Animal Husbandry, Gadjah Mada University, 2020
- **2nd Place**, Scientific Essay, Dilan Competition Festival, OJK Learning Centre Community, Southeast Sulawesi, 2020

(full list available on website dialifs.github.io)

ORGANIZATIONAL EXPERIENCE

- **General Chairman**01/2022 – 01/2023
Student Research Group, Faculty of Computer Science, Brawijaya University (K-RISMA FILKOM UB)
- **Head of Research and Development Division**02/2021 – 01/2022
Student Research Group, Faculty of Computer Science, Brawijaya University (K-RISMA FILKOM UB)
- **Vice Head of Data Science Department**02/2021 – 05/2021
Basic Computing Community, Faculty of Computer Science, Brawijaya University (BCC FILKOM UB)
- **Staff of Media, Communication, and Information**12/2019 – 10/2020
Association of Youth, Cadets, and Students of Southeast Sulawesi - Malang (IPPMA SULTRA - MALANG)

FOREIGN LANGUAGE PROFICIENCY

- TOEFL ITP (April 2021)
570

OTHER EXPERIENCES

- Speaker S-KRIM Berprestasi Part I 2021 [Agustus 2021]
KBMSI Universitas Brawijaya
- Moderator Talkshow Deep Tech Foundation x BCC Filkom UB:
Understanding the Basics and Implementation of Deep Learning [April 2021]
DeepTech Indonesia Foundation