

NANDITO YUDA SAMOSIR

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Computer Engineering graduate with a strong academic record (**GPA 3.83/4.00**) and practical industry experience at **PT Indosat Tbk**. Built a solid professional foundation through roles as a **Junior Data Engineer** and **Market Research** Apprentice, gaining hands-on expertise in the telecommunications sector. Highly skilled in **Python**, **Data Analysis**, and **Machine Learning**, eager to leverage technical expertise to drive organizational growth.

Experience

PT Indosat Tbk. (Jan 2026 – Now)
Junior Data Engineer

PT Indosat Tbk. (Jul 2025 – Dec 2025)
Market Research (Apprenticeship)

INSPIRE is a structured apprenticeship program conducted by Indosat Ooredoo Hutchison for a period of 6 months. My duties and responsibilities are:

- Conduct research on the market share and target customers of LEO satellite internet in Indonesia. Obtain an estimated representation of the market share and target customers of LEO satellite internet in Indonesia.
- Conducting research on the top 10 upstream tier-1 transit in Indonesia based on popular Internet Network Providers (NAP) in Indonesia.
- Participated in the development of 108 Indosat Ooredoo Hutchison Roaming mobile internet package products in the creation of NGSSP Product Definition (Prodef) and package configuration.
- Participated in the development of Indosat Ooredoo Hutchison's Flexi Mobile internet package product in creating SID and A# products.

Education

University of Brawijaya (2021 - 2025)
Bachelor of Engineering, Computer Engineering (3.83/4.00)

Bangkit Academy (2024)
Machine Learning Cohort

Project

Drowsiness Detection Model (Sept 2024 - Nov 2024)
Programmer

This project aims to detect Drowsiness in users using an EfficientNetV2-based model enhanced with Attention and Dual-Attention (CBAM and SE Block) modules.

- Developed an EfficientNetV2-based deep learning model enhanced with CBAM and SE attention modules, achieving 96% accuracy in detecting sleepy eyes.
- Designed and executed training pipelines, reducing model training time by up to 5.3% through hyperparameter optimization and data augmentation.

Fungi.info - Bangkit Capstone Project (May 2024 - Jun 2024)
Machine Learning

Fungi.Info is a mobile application that uses Machine Learning and Image Recognition to identify fungi species from images, helping users distinguish between edible and poisonous varieties during outdoor activities.

- Built and validated convolutional neural network models for fungus species classification with 91% accuracy, integrated into an Android application to aid outdoor safety.
- Collaborate with a team of 6 people, consisting of Machine Learning, Cloud Computing, and Android Developers.

Automatic Pet Feeder

Engineer

(Apr 2023 - Jun 2023)

A project from the Embedded Systems course, Automatic Pet Feeder is a tool used to feed pets automatically. This tool uses the Arduino R3 microcontroller as the main processing base.

- Engineered an Arduino-based automated feeding system, coding control firmware in C++ and designed PCB schematics to ensure reliable operation.

Organizational/Volunteer Experience

Himpunan Mahasiswa Departemen Teknik Informatika (HMDTIF)

Engineer

(Feb 2023 - Feb 2024)

HMDTIF is a Student Association institution within the Departemen Teknik Informatika, Fakultas Ilmu Komputer, Universitas Brawijaya.

- Carried out work programs related to scientific and professional development for 11 months, and being responsible for running committees under the auspices of the department.

EMPOWER

(Oct 2023)

Head of Design and Multimedia Division

EMPOWER is a Public Speaking and English language training activity carried out by HMDTIF, Fakultas Ilmu Komputer, Universitas Brawijaya.

- Led a design team of 4 members, creating job descriptions for each member and representing the team for communication with other teams.
- Spearheaded the visual design and branding for the EMPOWER event, leading to positive feedback from event attendees and increased attendee engagement by 10%.

PRESTALK

(Jul 2023)

Deputy Chief Executive

PRESTALK is an event that invites outstanding students as speakers to share stories about their competition experiences and college activities.

- Responsible for managing all document files required during the activity and as an intermediary between the committee and the Faculty BEM.
- Responsible for overseeing the smooth running of the event, starting from the selection of committee members, event preparation, until the event is finished, within 3 weeks.

Skills

- **Hard Skills:** Python, Data Analysis, Machine Learning, Microsoft Office

- **Soft Skills:** Analytical Skills, Logical Thinking, Problem Solving, Teamwork, Leadership, Communication, Adaptability, Presentation

Languages

Indonesian (Native), English (Advanced) - BEPT score (TOEFL ITP equivalent): 550