

# ALFONSUS ANTERO ARNAYUSRENDITO

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A Bachelor's degree graduate in Information Systems from Telkom University (Surabaya Campus) with a 3-month internship experience as a Data Analyst. Skilled in data processing, business and system analysis, and web development using Laravel, Vue.JS, and Flask. Familiar with UI/UX design principles and data analytics techniques, including Machine Learning and Natural Language Processing (NLP) using Python. Passionate about creating data-driven and user-centered digital solutions while continuously developing technical and analytical skills to drive organizational and industry growth.

## EDUCATION

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**Telkom University** - Surabaya, Indonesia

Oct 2021 – Aug 2025

*Bachelor Degree of Information System (Surabaya Campus), GPA 3.57/4.00*

- Thesis Title: Implementation of a Hybrid-Based Researcher Recommendation System Using *LDA* and *Naïve Bayes*.
- Relevant Subjects: Data Mining, Machine Learning, Natural Language Processing, Data Warehouse & Business Intelligence, Information System Analysis and Design, UI/UX Development, & Web Programming.
- Participant in IEEE 2025 2nd Beyond Technology Summit on Informatics International Conference.
- Participant in National Business Plan Competition 2023 STIM YKPN Yogyakarta.
- Participant in Playbox Season 4 competition 2023 Institut Teknologi Telkom Surabaya.

## WORKING EXPERIENCES

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**BPSDMP Kominfo Surabaya** - Surabaya, Indonesia

Jun 2024 – Aug 2024

*Data Analyst Intern*

- Analyzed performance data of 30+ employees based on trainee questionnaire responses to identify training effectiveness and performance trends.
- Leveraged Python code with Pandas library in Google Colab to process employee performance evaluation data.
- Delivered results through an interactive dashboard and data visualization using Google Looker Studio.
- Besides as Data Analyst, I was also required to participate in the training programs, both as a trainer and as a trainee.

## ORGANIZATIONAL EXPERIENCES

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**Keluarga Mahasiswa Katolik Santo Filegon Telkom University Surabaya** - Surabaya, Indonesia

Feb 2024 – Jan 2025

*Treasurer*

- Conducting financial organizational management and audits.
- Preparing monthly financial reports and recording them on the spreadsheet.
- Represented the university through active involvement in KMK activities beyond campus and actively served in church ministry activities.

**Entrepreneur Community Telkom University Surabaya** - Surabaya, Indonesia

Jan 2023 – Nov 2024

*Human Resource Division*

- Managing all aspects of Human Resources (HR) needs to support the implementation of work programs.
- Participating in marketing activities by establishing a food business.
- Participated as the chief organizer in the student entrepreneur community election, responsible for coordinating and managing the entire event.
- Contributing to external business plan and product design competitions.

**CODER Telkom University Surabaya** - Surabaya, Indonesia

Dec 2021 – Dec 2023

*UI/UX Design Division*

- Participating in internal and external training activities focused on UI/UX design from basic, design, wireframe, user interface, prototyping, and mock-up.
- Contributing to internal and external competitions related to UI/UX design and other technologies.
- Participating in major UI/UX designer projects to develop a new CODER company profile.

**Himpunan Mahasiswa Sistem Informasi Telkom University Surabaya** - Surabaya, Indonesia

May 2023 – Nov 2023

*Research and Technology Staff*

- Creating an Instagram feed showcasing the progress and implementation of current technology trends.
- Serving as a coordinator for a competition, providing facilities and infrastructure.
- Conducting a bootcamp/training namely the *IS Academy* to provide insights for information system students.

PROJECT & RESEARCH EXPERIENCES

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|--|---------------------|
| <b>Hybrid-Based Researcher Recommendation System</b> - Surabaya, Indonesia   | Sep 2024 – Aug 2025 |
| <i>Thesis/Final Project</i>  |                     |
| <ul style="list-style-type: none"><li>Collected, cleaned, and analyzed 2000+ publication data from Google Scholar to identify research topic patterns.</li><li>Conducted exploratory data analysis (EDA) on text data prior to applying NLP and machine learning models.</li><li>Applied NLP techniques including text preprocessing and topic modeling using <i>Latent Dirichlet Allocation (LDA)</i>.</li><li>Built and evaluated a <i>Naïve Bayes</i> classification model to support researcher recommendations with 87.65% accuracy.</li><li>Interpreted model results to support data-driven researcher recommendations through a Flask-based web application.</li></ul> |                     |
| <b>Mind-U Mobile Application</b> - Surabaya, Indonesia   | Oct 2023 – Jan 2024 |
| <i>System Analyst – Software Engineering Capstone Project Subject</i>  |                     |
| <ul style="list-style-type: none"><li>Conducted user requirement analysis and translated them into functional workflows and UML diagrams.</li><li>Defined system scope and prioritized features to support usability and development efficiency.</li><li>Collaborated with developers using Scrum methodology to align requirements and implementation in a React Native-based mobile application.</li></ul>   |                     |
| <b>Organizational Profile Design Project</b> - Surabaya, Indonesia   | Jun 2023 – Sep 2023 |
| <i>UI/UX Design – CODER Telkom University Surabaya</i>   |                     |
| <ul style="list-style-type: none"><li>Analyzed user needs and behavior to support interface structure and information hierarchy design.</li><li>Designing the user interface, wireframes and prototypes to improve content clarity and user navigation.</li><li>Creating prototypes to test the functionality of the website application concept.</li></ul>  |                     |
| <b>Cash-IS (Pharmacy Cashier Information System)</b> - Surabaya, Indonesia   | Jun 2023 – Aug 2023 |
| <i>Framework Programming Final Project Subject</i>   |                     |
| <ul style="list-style-type: none"><li>Developing a web-based cashier application with a case study focused on pharmacy cashiering.</li><li>Developing a web-based application using the Laravel framework, with GitHub as the collaboration tool.</li><li>Applying inventory in/out reporting features to facilitate cashier transactions with customers.</li><li>Developed stock and transaction reporting features to accurately monitor and analyze sales performance.</li></ul>  |                     |

CERTIFICATE

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| English Proficiency Test with score: 470.                   | Dec 2023 |
| SAP AC010 - Business Processes in Financial Accounting.     | Feb 2023 |
| SAP HR050 - Business Processes in Human Capital Management. | Jan 2023 |

SKILLS

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| <b>Language</b>                  | : Indonesia & English  |
| <b>Soft-Skill</b>                | : Analytical Thinking, Problem Solving, Detail-Oriented, Time Management, Team Collaboration, Good Communication, and Adaptability.                  |
| <b>Software Skill</b>            | : Microsoft Word/Excel, Canva, Figma, Miro, Draw.io, Visual Studio Code, Google Colab, Power BI, Looker Studio, GitHub, Laragon, Trello, and Notion. |
| <b>Programming Skill</b>         | : Python, HTML, CSS, Javascript, PHP, and SQL (MySQL, PostgreSQL).   |
| <b>Framework &amp; Libraries</b> | : Laravel, Flask, Vue.JS, Tailwind CSS, and Bootstrap.   |
| <b>AI/ML</b>                     | : Data Processing, Data Scraping, Classification, NLP, Topic Modeling, and Data Visualization.   |