

# ADELIA CITRA UTAMI

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A recent Informatics Engineering graduate from Politeknik Negeri Jakarta with a passion for leveraging data to solve business problems. I have hands-on experience in the complete data lifecycle, from analyzing user requirements and designing data workflows to processing diverse datasets with Python and SQL to uncover actionable insights. Eager to apply my skills in statistical analysis, machine learning, and data visualization to contribute to a data-driven team.

## EDUCATION

**Politeknik Negeri Jakarta - Depok, Indonesia** Aug 2021 - Aug 2025

*Bachelor of Applied Science in Informatics Engineering, 3.86/4.00*

**Relevant Coursework:** Algorithms; Database; Data Mining & Big Data; Statistics; Machine Learning; Software Engineering; System Analyst

**Final Project:** Design And Implementation of a Web-Based Management Information System for Church Community Services

- Analyzed existing manual business processes for managing 500+ community members to identify key inefficiencies and pain points.
- Gathered and analyzed user requirements from key stakeholders (community leaders and commission functionaries) to define the scope of the new information system.
- Designed and documented system workflows and data structures using Unified Modeling Language (UML) to guide development
- Validated the final system through Black Box testing (100% success rate) and usability testing (SUS score of 84) to ensure the solution met stakeholder needs.

**PT Semesta Integrasi Digital (Karier.mu)** Aug 2023 - Dec 2023

*Certificate the MSIB Program Specializing in Data Analyst, Final Project: "The Analysis of the Cognitive Ability Test Implementation on the Exam.inate Platform"*

- Relevant Coursework: Python; SQL; Statistics; Data Analysis; Data Visualization
- Conducted business problems and data analysis to address 3 business challenges using Python.
- Delivered 7 actionable insights and 2 recommendations based on data analysis results.

## WORK EXPERIENCE

**PT Sasmita Wikrama Nusantara - Jakarta, Indonesia** Aug 2024 - Jan 2025

*Data Analyst, Internship*

- Designed and implemented an efficient database system with a focus on data retrieval for analytical needs.
- Analyzed user requirements to design data workflows, ensuring data integrity from collection to storage.
- Used Python and related libraries to build a feature that processes and leverages image data in a structured format.
- Performed system validation and testing to guarantee the accuracy and reliability of processed data.

## ORGANISATIONAL EXPERIENCES

**SNIV (National Vocational Innovation Seminar) - Politeknik Negeri Jakarta, Depok** May 2024 - Jul 2024

*Layouting Team Member*

- Formatted and standardized the layout of over 25 scientific papers using Microsoft Word to ensure compliance with publication guidelines.
- Collaborated with the review team to evaluate and select high-quality scientific papers for publication in the seminar proceedings.
- Provided technical and logistical support to moderators during live presentation sessions to ensure a smooth and successful event.

**DOREMI (Student Executive Board Event) - Politeknik Negeri Jakarta, Depok** Apr 2022 - Sep 2022

*Staff of Fundraising Division*

- Responsible for planning and conducting fundraising activities
- Contributed to coordinating and preparing the blood donation activities, resulting in 207 participants registered

**TIK GAMES 2022 (Department Association Event) - Politeknik Negeri Jakarta, Depok** Apr 2022 - Aug 2022

*Staff of Sponsorship Division*

- Approached, negotiated, dealt, and cooperated with sponsors, resulting in securing 2 sponsorships

**Student Association of Informatics & Computer (HIMATIK) - Politeknik Negeri Jakarta, Depok** Feb 2022 - Dec 2022

*Staff of Student Health Department*

- Created copywriting content for 19 Instagram posts, focusing on physical health, mental health, and environmental health
- Collaborated with the Creative Division to exchange ideas and approve the final outcome
- Collaborated with the Department of Communications and Information to schedule uploads
- Coordinated with the internal team regarding the agenda and work program

*Staff of the Event Division*

- Responsible for planning, organizing, managing the event
- Collaborated with team members to conceptualize and develop the event theme and format
- Coordinated venue arrangements, including layout design, seating plans, and technical requirements

**PROJECTS, SKILLS, & CERTIFICATIONS**

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- **Projects**☒: Web Development (administration system, e-commerce, etc), Machine Learning, NLP, Data Analyst, Design UI/UX Simple Game
- **Wind Speed Prediction Project**: Developed and evaluated a Random Forest model to predict wind speed using a 10-year NASA weather dataset. Responsibilities included data cleaning, model training, and performance evaluation using MAE, MSE, and R<sup>2</sup> metrics.
- **Sentiment Analysis Project** Built and optimized a sentiment analysis model using a Long Short-Term Memory (LSTM) network. Performed text data cleaning and preprocessing, trained the model, and evaluated its final performance with a confusion matrix.
- **Contest**☒: PKM 2021, GEMASTIK 2022
- **Certification**☒: Associate Data Engineer
- **Programming Language Skills**: Python, SQL, C++, HTML, CSS, PHP, C#, Laravel
- **Tools**: Tableau, Power BI, Visual Basic, Visual Studio, Figma, Bizagi, Star UML
- **Microsoft Office**: Microsoft Excel, Microsoft Word, Microsoft PowerPoint
- **Soft Skills**: Problem Solving, Analytical Thinking, Communication, Teamwork, Attention to Detail