

# NOVIA CITRA ANDINI

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Lombok Timur, Nusa Tenggara Barat

## PROFESSIONAL SUMMARY

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Fresh graduate in Mathematics from Mataram University with a strong interest in Data Science, Machine Learning, and Business Intelligence. Experienced in handling large-scale data, building interactive dashboards, and developing AI models through academic projects and internship. Skilled in Data Analysis, Data Visualization (Power BI), Python, and SQL. Recognized for strong communication, adaptability, and problem-solving skills.

## EDUCATION

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### Mataram University

Aug. 2021 – Jul. 2025

*Bachelor Degree in Mathematics, 3.36/4.00*

- Served as a Teaching Assistant for Programming Algorithms and Database courses, assisting 154 students.
- Presented 2 Machine Learning research projects (YOLOv7 Object Detection & LSTM Prediction) at National Seminars.
- Selected as a Finalist in the Science and Technology National Competition 2024 (Scientific Writing).
- Led the Public Relation & Media division at Gamatika Coding Club, managing a team of 8 members.
- Moderated the "Python Training for Data Science" seminar (70+ participants) and the National Digital Start-Up Competition (100+ participants).

### Independent Study MSIB 6 Data Science, BISA AI Academy

Feb. 2024 – Jun. 2024

- Completed the Kampus Merdeka Batch 6 independent study program in Data Science (Score: 96/100).
- Developed a Capstone Project, creating a cancer prediction application using SVM algorithms.
- Conducted 2 webinars related to Data Science during the program.

## PROFESSIONAL EXPERIENCES

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### Intern Research and Development, Jadi Maju

Nov. 2025 – Present

- Performed sentiment analysis on participant feedback by extracting, cleaning, and consolidating data from 34 program databases.
- Identified patterns in positive–negative sentiment, participant suggestions, and recurring challenges, and translated insights into structured analytical reports.
- Conducted market and content research on new class themes, potential speakers, and relevant tools, and built a structured research database to support curriculum and product development.

### Researcher & Speaker, Mataram University

Dec. 2024 – Jul. 2025

- Developed and presented an object detection model (YOLOv7) at a National Seminar to identify Anthracnose pests on chili.
- Achieved 94% detection accuracy through dataset annotation and image preparation for model training.
- Analyzed and trained neural network models (LSTM vs. Backpropagation) to predict Solana price time series data.
- Presented the model comparison at a National Seminar, demonstrating the LSTM model achieved 96% accuracy, outperforming Backpropagation.

### Intern, PT PLN (Persero) Unit Induk Wilayah NTB

Jul. 2024 – Aug. 2024

- Recorded and archived PLN media publications (social media, newspapers) using Microsoft Excel to facilitate monitoring and reporting processes.
- Compiled and archived over 40,000 local TV running text broadcast records using Microsoft Excel, ensuring organized and accessible data documentation.

### Teaching Assistant, Mataram University

Sept 2023 – Des 2024

- Assisted 154 students in Programming Algorithms and Database courses, achieving over a 90% pass rate in laboratory sessions.
- Designed Database practical modules focused on data visualization and interactive dashboard development using Power BI.
- Supervised final data visualization projects, leading two students to obtain copyright certificates for their work.
- Taught algorithmic concepts and guided Python implementation to improve student understanding of programming exercises.

### Moderator, Mataram University

Sep. 2023 – Dec. 2024

- Guided the National Digital Start-Up Competition (3 days), managing event flow and Q&A sessions for 100+ participants.
- Facilitated the Mental Health Festival, moderating discussions and creating interactive dialogue for 40+ participants.
- Led the "Python Training for Data Science" seminar, guiding technical sessions and Q&A to ensure effective knowledge transfer to 70+ participants.

## PROJECT EXPERIENCES

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### Anthracnose Pest Detection on Chili Using YOLOv7

Dec. 2024 – Jul. 2025

*Developer & Researcher*

- Developed an object detection model to identify Anthracnose pests, achieving 94% detection accuracy.
- Performed image dataset annotation and preparation for model training as part of research presented at a National Seminar.

### Comparison of Backpropagation and LSTM for Predicting Solana Prices

Dec 2024 – Jul 2025

*Developer & Researcher*

- Analyzed and structured time series data to predict prices, training two neural network models for comparison.
- Achieved 96% accuracy with the LSTM model, proving its superior performance over Backpropagation for sequential data.
- Presented the model comparison results at a National Mathematics Seminar.

## HONORS & AWARDS

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### Finalist, Science and Technology National Competition 2024

Sep. 2023 – Dec. 2024

- Selected as a national finalist in the Scientific Writing Competition category.
- Organized by the Mathematics Student Association, Universitas Sriwijaya.

## CERTIFICATIONS

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- CertNexus AIBIZ™ Credential – CertNexus
- CertNexus DSBIZ™ Credential – CertNexus

Okt. 2024

Jul. 2024

## SKILLS

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**Data Science & Analytics:** Data Analysis, Data Visualization, Machine Learning, AI Model Development, Market Research

**Programming & Databases:** Python, Basic SQL

**Tools & Platforms:** Power BI, Google Looker, Microsoft Office (Excel), Canva

**Professional Skills:** Communication, Public Speaking, Leadership, Problem Solving, Adaptability, Team Collaboration.

**Languages:** Indonesian (Native), English (Intermediate)