

# ANDI DWI PRASTYO

087865470209 | andidprastyo@gmail.com | [linkedin.com/in/andidprastyo/](https://www.linkedin.com/in/andidprastyo/) | [github.com/andidprastyo](https://github.com/andidprastyo) | [Portofolio](#)

I am an IT student at Politeknik Negeri Malang specializing in data science and machine learning. With hands-on experience in predictive modeling, data analysis, and algorithm optimization, I am passionate about transforming complex data into actionable insights. Driven by curiosity and a commitment to learning, I am eager to apply my skills in collaborative environments to create impactful solutions in the tech field.

## Education Level

**Politeknik Negeri Malang - Kota Malang, Jawa Timur**

Aug 2021 - Present

*Bachelor of Applied Computer Science* | **3.74/4.00**

**Relevant Course:** Computational Statistics, Database Management, Business Intelligence, Machine Learning & Web Development.

## Work Experiences

**PT Telkom Satelit Indonesia - Kota Bogor, Jawa Barat**

Aug 2024 - Dec 2024

*Data Scientist*

- Developed a system to identify beam coverage for specific coordinates, achieving a 95% reduction in negative values and enabling accurate analysis for 10,000+ beam coordinate checks monthly by optimizing network sizing algorithms.
- Implemented a scalable pipeline integrating LLaMA (LLaMA 3.2 1B model) with Telkomsat's proprietary knowledge base, improving retrieval accuracy by 40% across 100,000+ documents by fine-tuning the model and enhancing indexing techniques.
- Enhanced reporting clarity for over 10 stakeholders and reduced analysis time by 30% by utilizing Vertex AI Notebooks for processing and visualizing insights from Telkomsat's 4-table dataset.

**Kementerian Keuangan RI - Jakarta Pusat, DKI Jakarta**

Feb 2024 - Jun 2024

*Data/Software Engineer*

- Developed Legalytics, a legal analytics page for the Jaringan Dokumen dan Informasi Hukum (JDIH) website, improving data retrieval speed by 40% by optimizing database queries and implementing efficient caching mechanisms.
- Provided insights into 500+ laws and regulations, supporting daily decision-making for over 1,000 users by leveraging data visualization tools and structured indexing.
- Enhanced the strategic decision-making process for the Law Bureau, reducing analysis time by 30% by transforming complex legal data into accessible and actionable information.

## Project Experiences

**AIDA: Advanced Interactive Digital Advertising**

Jun 2024 - Aug 2024

*Data Scientist*

- Developed a system to enhance brand awareness through effective advertising, achieving potential increases in brand awareness by up to 80% and providing a measurable ROI improvement of 250% by optimizing advertising strategies.
- Leveraged FFmpeg, YOLO, MQTT, and NVIDIA Jetson Nano to process and analyze real-time video data from CCTV cameras, enabling precise object detection and real-time data aggregation.
- Implemented a dashboard for real-time and historical data analysis, reducing reliance on traditional billboards and associated costs while improving the measurement of advertising effectiveness.

**Metro Bites: Vending Machine Sales Report**

Dec 2023 - Jan 2024

*Data Analyst*

- Designed and implemented a dashboard system that enhanced decision-making efficiency by 20% by providing real-time access to sales data and actionable insights.
- Conducted in-depth customer segmentation analysis, leading to targeted marketing campaigns that increased customer retention by 15% through tailored engagement strategies.
- Leveraged detailed reporting to identify expansion opportunities, potentially increasing market penetration by 10-12%.

## Organisational Experience

**EEPROM Polinema**

Apr 2023 - Mar 2024

*General Secretary*

- Led and inspired a dynamic team of 48 people, achieving a 25% increase in community engagement by implementing targeted outreach programs and fostering a shared vision.
- Fostered a collaborative environment for robotics enthusiasts, resulting in the creation of 10+ new robotics projects by organizing workshops and participating in competitions.
- Managed and oversaw 6 key operational initiatives, improving project completion rates by 20% through streamlined processes and effective resource allocation.

## Achievements

- Achievements** (2024): 2<sup>nd</sup> Place - E-Government Divison, Kompetisi Mahasiswa Informatika Politeknik Nasional VI 2024.
- Achievements** (2023): 2<sup>nd</sup> Place – Transporter Division, Polines Robotic Contest 2023.