

ANDI DWI PRASTYO

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Detail-oriented and passionate IT undergraduate student with a high GPA of 3.63 from the State Polytechnic of Malang. Proficient in data science, machine learning, web development, and database management. Strong ability to analyze complex datasets and deliver data-driven solutions. Adept at transforming data into actionable insights to support strategic decision-making.

Education Level

State Polytechnic of Malang - Malang, Jawa Timur

Aug 2021 - Present

Bachelor Degree in Applied Computer, 3.63/4.00

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

Work Experiences

Kementerian Keuangan RI x Kampus Merdeka - Jakarta Pusat, DKI Jakarta

Feb 2024 – Jun 2024

Data/Software Engineer - Internship

- Developed a legal analytics page on the Jaringan Dokumen dan Informasi Hukum (JDIH) website for Kemenkeu RI, improving data retrieval speed by 40%.
- Provided analytical insights into 500+ laws and regulations, supporting daily decision-making for over 1,000 users.
- Enhanced the strategic decision-making process for the Law Bureau by transforming complex legal data into accessible information, reducing analysis time by 30%.

Project Experiences

Metro Bites: Vending Machine Sales Report

Dec 2023 – Jan 2024

Data Analyst

- Implemented a dashboard system to enhance decision-making efficiency by 20%, providing real-time sales data access.
- Conducted customer segmentation analysis, leading to targeted marketing campaigns and a 15% increase in customer retention.
- Leveraged detailed reports to potentially increase market penetration by 10-12% by pinpointing expansion opportunities.

Telco Store Customer Segmentation Analysis

Oct 2023 – Nov 2023

Data Scientist

- Reduced customer churn rates by 15% through effective segmentation and predictive modeling.
- Conducted customer segmentation analysis, leading to targeted marketing campaigns and a 15% increase in customer retention.
- Increased customer retention by 30% via targeted discounts, demonstrating the effectiveness of personalized marketing campaigns derived from segmentation insights.

Yogyakarta Air Quality Analysis

Jun 2023 - Aug 2023

Data Scientist

- Utilized SVR to analyze Yogyakarta's air quality, resulting in highly accurate predictions with strong model performance at 92%, showcasing expertise in machine learning and data analysis.
- Delivered actionable insights to local environmental authorities, contributing to a 15% improvement in air quality management strategies.

Super Store Sales and Profit Analysis

Mar 2023 - Jun 2023

Data Analyst

- Visualized sales data, revealing a 40% increase in revenue growth compared to the previous quarter.
- Analyzed profit margins, identifying high-profit segments and suggesting optimizations that improved profitability by 12%.
- Conducted customer segmentation analysis, leading to targeted marketing campaigns and a 15% increase in customer retention.

Organizational Experience

EEPROM Polinema - Malang, Jawa Timur

Apr 2023 - Mar 2024

General Secretary

- Led and inspired a dynamic team of 48 people, resulting in a 25% increase in community engagement.
- Fostered a collaborative environment for robotics enthusiasts, resulting in the creations of over 10 new robotics projects.
- Managed and oversaw 6 key operational initiatives, improving project completion rates by 20%.

Skills & Certifications

- **Certification** (2024): JPMorgan Chase & Co. – Quantitative Research Job Simulation, [Link](#).
- **Certification** (2023): dicoding – Belajar Analisis Data menggunakan Python, [Link](#).
- **Certification** (2023): dicoding – Belajar Dasar Data Science, [Link](#).
- **Hard Skills**: Intermediate skills in web development using Next JS, Tailwind CSS, OpenSearch, and Prisma tech stack.
- **Hard Skills**: Intermediate skills Python programming language for Data Science and Machine Learning application.
- **Hard Skills**: Intermediate skills in query language for database management such as MySQL, Microsoft SQL Server, and NoSQL.