

ARIESKA RESTU HARPIAN DWIKA

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I am an Assistant Lecturer who is experienced in Data Analysis with strong analytical skills and experienced in transforming complex data into actionable business insights. Skilled in identifying trends, creating reports, and building data models that support strategic decision making and business planning. I have experience in developing and maintaining dashboards to monitor key performance metrics, ensuring real-time visibility into business performance. Proficient in SQL, Spreadsheet, and familiar with Python for data manipulation and analysis. Well-Known for my attention to detail, ability to work effectively under pressure, and collaboration with various stakeholders to achieve business goals.

EXPERIENCE

Assistant Lecturer – University of Technology Yogyakarta

Feb 2023 – Jun 2024

- Provide and explain lecture materials in accordance with applicable courses and Semester Learning Plans, and evaluate the results of student work and assignments.
- Assisted in Basic Programming Algorithms, Information Technology Applications, Office Automation Applications, Big Data & Data Analytics, Object-Oriented Programming, Data Structures, Coding & Machine Learning courses.

Intern Back End Developer – Ministry of Public Works and Housing

Feb 2024 – Jun 2024

- Develop and integrate APIs on a web application system using TailwindCSS and Laravel.
- Designed and implemented database schemas and table relationships.
- Utilized Docker for efficient development and deployment.

Intern Data Scientist – Kalbe Nutritionals

Aug 2023 – Sep 2023

- Developed regression and clustering models for sales prediction and customer segmentation.
- Conducted data analysis using Python and SQL, improving inventory management and marketing strategies.
- Created interactive dashboards in Tableau to visualize sales trends and customer insights.

EDUCATION

Data Science Bootcamp – Rakamin Academy

Feb 2024 – Jul 2024

- Completed various materials such as Python, Statistics, SQL, Exploratory Data Analysis, Data Cleaning, Data Transformation, Data Visualization, Dashboard Development, Machine Learning, Deep Learning, and Deployment.

Data Analysis Course – MySkill

Jul 2023 – Sep 2023

- Completed various materials such as Data Analysis, Statistics, Business Metrics, Data Visualization, and Data Communication.

University of Technology Yogyakarta

Sep 2020 – Jul 2024

Bachelor of Informatics, 3.78/4.00

- Relevant Courses: Big Data & Data Analytics, Data Science, Data Warehouse & Data Mining, Coding & Machine Learning, Text Processing, Neural Networks & Deep Learning, Digital Image Processing.
- Completing the Informatics Capstone Project with the title "Prediksi Harga Cabai Merah Keriting Provinsi DIY dengan Metode Jaringan Saraf Tiruan".

HONOR & AWARDS

Sinta 4 Journal Article Publication

Jan 2024

- Research Title: [Implementasi Algoritma LSTM untuk Prediksi Harga Cabai Merah Keriting di Yogyakarta](#).
- Publish in Indonesian Journal: Informatics and Communication Management (JIMIK).

Speaker at Proceeding of Seminar Nasional Inovasi Teknologi Informasi & Komunikasi

Nov 2023

- Research Title: [Analisis Pengaruh Spesifikasi Terhadap Harga Handphone Menggunakan Algoritma KNN dan Linear Regresi](#).
- This research provides important insights for consumers and producers regarding the elements that have the most influence on cell phone prices.

Receiving Funding in the Program Kreativitas Mahasiswa (PKM) on the field Karsa Cipta (KC)

Mar 2023 – Nov 2023

- Title: [Sound-Degla \(Kacamata Pintar Penyandang Tunarungu Berbasis Artificial Intelligence\)](#).
- This project aims to develop AI-based Smart Glasses specifically designed for the hearing impaired, focusing on sound recognition (Sound-Degla) capabilities.

SKILLS & PROJECTS

- **Tools:** Ms. Office, Spreadsheet, Tableau, Power BI, Looker Studio, SQL, Python, Pandas, Matplotlib, Seaborn, Git
- **Hard Skills:** Data Analysis, Data Processing & Visualization, Data Modeling & Forecasting, Dashboard Development
- **Soft Skills:** Attention to Detail, Analytical Thinking, Problem Solving, Team Work, Communication, Leadership, Adaptability
- **Projects:** [InnoPlateReader](#), [HearMePal](#), [Predictive Application for Bank X Term-Deposits](#), [Customer Personality Prediction](#), [Customer Ads Click Classification](#), [Employee Attrition Prediction](#), [Bicycle Stock Sale Prediction](#)
- **Language:** Indonesia and English