

Varrent Lionel Kusrandi

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SUMMARY

Undergraduate Information Systems student with a strong interest in Data Analysis, Data Science, BI Analysis, UI/UX Design, and Front-End Development. Has practical experience in developing Machine Learning models, conducting data analysis using Python & SQL, designing interfaces with Figma, and implementing responsive web layouts. Passionate about building functional and visually engaging digital solutions.

EDUCATION

Universitas Multimedia Nusantara

Information Systems

IPK: 3.49/4.00

Gading Serpong, Tangerang

Aug 2023 - Present

SKILL

SKILLS : Data analysis, Data science, Front-end developer, UI/UX Design, BI Analysis

TECH SKILLS : Python, SQL, HTML, CSS, JavaScript, React, Tableau, Power BI, Figma, Adobe Photoshop, Adobe Illustrator

SOFT SKILLS : Communication, Problem-Solving, Teamwork, Time Management

PROJECT EXPERIENCE

Bookly App: Mobile User Interface Design

UI Design

- Designed high-fidelity mobile interfaces entirely in Figma, leveraging modern UI principles to create a visually engaging and readable book tracking application.
- Built fully interactive prototypes directly in Figma using Smart Animate, simulating realistic app behavior to validate user navigation flows.
- Implemented advanced Figma features like Auto-Layout and Components to construct a scalable Design System, ensuring consistency and efficient developer handoff.

Generative Art with CycleGAN: Photo-to-Monet Style Transfer

Deep Learning

- Engineered an **end-to-end CycleGAN architecture** from scratch to perform unpaired image-to-image translation, successfully transforming real-world photos into Monet-style artworks without paired training data.
- Designed custom **U-Net Generators** with skip connections and **PatchGAN Discriminators** utilizing **Instance Normalization** to enhance style transfer quality and training stability.
- Leveraged **TPU (Tensor Processing Unit)** distribution strategies to accelerate training on high-resolution datasets 256 x 256 and optimized data pipelines with **TFRecord** for efficient caching.
- Implemented **Frechet Inception Distance (FID)** score using InceptionV3 to mathematically assess the visual quality and diversity of the generated images to ensure high-fidelity outputs.

Predictive Analytics: Diabetes Risk Detection with Machine Learning

Machine Learning

- Engineered a robust Machine Learning Pipeline using Scikit-Learn to streamline preprocessing and classification, ensuring reproducibility and preventing data leakage.
- Outperformed baseline models by deploying a Gradient Boosting Classifier (85% Accuracy) after benchmarking against Logistic Regression and AdaBoost.

- Identified critical risk factors via Feature Importance analysis, revealing that Multiple Health Conditions and General Health are the strongest predictors for early diabetes detection.

E-Commerce Product Analysis: Nike vs Adidas

Data Analyst

- Conducted a comparative market analysis of over 3,200 Nike and Adidas products using Python (Pandas, Seaborn) to evaluate pricing strategies and consumer engagement.
- Identified key market trends by analyzing the correlation between listing prices, discounts, and customer ratings, revealing distinct pricing positioning between the two brands.
- Visualized data insights to highlight that while Adidas offers a wider range of discounts, Nike maintains higher customer sentiment stability across product lines.

EXPERIENCE

Multimedia Staff Intern | GKJ Season City

Januari 2022 - Mei 2022

- Edited video content for church services and events, producing high-quality documentation archives and engaging assets for social media platforms.
- Designed visual thumbnails for YouTube content, ensuring visual consistency and aesthetic appeal to optimize viewer engagement.
- Operated camera equipment for live-streamed services, maintaining broadcasting standards during real-time production.
- Collaborated with cross-functional teams (multimedia, music, and sound engineers) to coordinate technical setups and evaluate content quality for continuous improvement.

ORGANIZATIONS

Logistics & Operations Staff | Disco XII UMN

May 2025 – Dec 2025

- Managed event logistics, overseeing the inventory and distribution of equipment before, during, and after the event lifecycle.
- Coordinated consumption logistics for the committee, ensuring all operational supplies and dietary requirements were met on schedule.

Logistics Staff | COMMFEST 2025 UMN

Mar 2025 – Nov 2025

- Cataloged and maintained equipment inventory, ensuring all technical assets were accounted for and ready for operational use.
- Collaborated with external divisions to facilitate smooth logistical flows and support onsite event operations.

Accommodation & Logistics | “SUA ASA” Art Exhibition

Mar 2023 – Jun 2023

- Managed accommodation and logistical needs for committee members and guest performers, ensuring seamless hospitality management.
 - Coordinated technical schedules and operational requirements to ensure the exhibition ran smoothly without disruptions.
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