TRIANO NURHIKMAT

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- ### ABOUT ME

With significant expertise in big data and machine learning, I am a highly motivated engineer proficient in the development and deployment of machine learning models using Python, including both traditional and generative artificial intelligence methodologies. My professional experience encompasses the implementation of MLOps principles to ensure efficient model development and deployment, alongside leveraging cloud platforms such as Google Cloud Platform (GCP) and Amazon Web Services (AWS) for enhanced scalability. Furthermore, I possess experience in the operational implementation of Generative AI utilizing Gemini on Vertex AI within GCP.

- ### EDUCATION

Bachelor of Statistics, Universitas Islam Indonesia, Yogyakarta   **Aug 2014 – Sep 2018**
Thesis: Implementation of Deep Learning for Image Classification Using Convolutional Neural Network Algorithm on Image Golek Puppet.

- ### EXPERIENCE

Manager, Data Analytics and BI , PT. Datalabs   **Jan 2022 – Present**
As Data Analytics and Business Intelligence Manager, I lead a team of analysts, developing data-driven strategies to optimize business operations and inform decision-making. I oversee the development, implementation, and maintenance of data infrastructure and BI solutions, ensuring data quality, integrity, and accessibility across the organization. My focus is on leveraging data to unlock insights, improve processes, and drive strategic growth.

Data Scientist , PT. Datalabs   **Oct 2018 – Dec 2021**
Responsible for building a machine learning model that would have an immediate and massive impact on the business of the customer. Collaborated with other data scientists and data engineers to build an ecosystem of machine learning.

Project :

- **Dashboard, AI Agent for Financial Reporting (Finex)**　　　**July – Sept 2025**
  Developed a data warehouse and an AI agent to automate financial reporting via Looker Dashboards and standardize regulatory reports. Leveraged Generative AI to automate information extraction from PDFs, enabling the AI agent to seamlessly analyze data on demand.
  Tools : Vertex AI, Gemini, Cloud Run, Looker

- **Reputation Analysis with AI (Otoritas Jasa Keuangan)**　　　**Dec 2024 – Mei 2025**
  Lead a team to develop a backend agent for sentiment analysis to monitor every PUJK (Pelaku Usaha Jasa Keuangan) about their own reputation based on tweet and information that is mentioned on social media or media informasi. This solution is built for a complementary OJK's team to assess and audit every PUJK public reputation. The social media that we used is X, Instagram, Facebook, Tiktok, and multimedia information.
  Tools : Vertex AI, Gemini, Cloud SQL, Cloud Run

- **Social Media Monitoring with AI (Otoritas Jasa Keuangan)**　　　**Feb – Sept 2024**
  Lead a team to Utilized generative AI (Gemini) on Vertex AI within Google Cloud Platform (GCP) to engineer an advanced sentiment analysis system. This system meticulously monitors client social media content to verify adherence to OJK's advertising regulations, assessing the appropriateness of captions, images, and videos.
  Tools : Vertex AI, Gemini, Cloud SQL, Cloud Run

- **Customer Risk Scoring Management (PT Pegadaian)**　　　**Sept – Jan 2024**
  Lead the team to develop a cutting-edge customer risk scoring engine leveraging Generative AI to extract information from unstructured files. This innovative approach improved risk assessment accuracy and reduced manual data processing.
  Tools : Vertex AI, Gemini, Dataflow, Bigquery

- **Object Detection for Plant Disease (PT Dharma Guna Wibawa)**　　　**Mar – Sep 2023**
  Lead a team to develop an object detection system using machine learning to help farmers identify and manage pests, diseases, or weeds in their fields, improving crop yields and reducing chemical usage.
  Tools : Cloud SQL, Vertex AI, Dataflow, Pubsub

- **Data Warehouse and Sales Dashboard (KB Finansia Multi Finance)**　　**Aug – Mar 2023**
  Designed and implemented a data warehouse and interactive dashboard to provide sales teams with comprehensive insights into their revenue performance against targets.
  Tools : Bigquery, Tableau

- **Credit Model using Machine Learning (Bank BTPNS)**　　　**April – Aug 2022**
  Built machine learning models to handle advanced cycle financing analysis which can determine the probability level of customer arrears.
  Tools : AWS Sagemaker, Redshift, Tableau, Cloud Step Function

- **Financial Data Warehouse & Dashboard Phase 2 (PT Star Capital)**   **Jan – April 2022**
  Enhance existing data warehouse and additional dashboard for new business units.
  Tools : Cloud Functions,Bigquery, Google Sheets, Looker Studio Studio

- **Financial Data Warehouse & Dashboard (PT Star Capital)**   **May – Dec 2021**
  Built data model and financial dashboard to give the information about Profit and Loss and Business Driver Report.
  Tools : Bigquery, Google Sheets, Google Data Studio

- **Enhancing Data Warehouse (PT HM Sampoerna Tbk)**   **Jan – Apr 2021**
  Enhancing existing Data Warehouse to create backfill capability and audit table.
  Tools : Python, AWS Lambda, AWS Cloud Watch

- **TECH STACK & SKILLS**

Analytics	:	Statistical Fundamental, Data Exploratory, Supervised and Unsupervised ML, Deep Learning, Generative AI
Programming	:	SQL, Python, R
Technology	:	CDSW, Bigquery and Bigquery ML, App Engine, Cloud Function, DataPrep, AI platform, Vision AI, Google Auto ML, Redshift, Amazon Sagemaker, Generative AI, Lambda
Visualization	:	Power BI, Superset, Matplotlib, Seaborn, Ggplot2, Looker Studio, Tableau.

- **CERTIFICATES & COURSES**

Google Cloud Platform		Professional Data Engineer Certified
		Professional Machine Learning Engineer
		Professional Database Engineer
		Professional Cloud Architect
Qwiklabs Online Courses		Data WareHouse on GCP, BigQuery for Machine Learning, Data Engineering on GCP, Machine Learning and Data Science Hands-on with python, Serverless Machine Learning with Tensorflow, Generative AI on vertex AI, on Google Cloud Platform
Udemy Online Courses	:	Introduction to Hadoop, Machine Learning and Data Science Hands on Python and R.
Datacamp Online Courses	:	Introduction to R , Introduction to Python for Data Scientist, Statistical Thinking, python toolbox, Intermediate Python, Introduction to SQL, Join SQL, Fraud Detection.

International Conference   :   Presenter at 4th International Workshop on Big Data Analytics in Universiti Teknologi Malaysia (2018).