RIZKI DINATA

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Beji, Depok, West Java, Indonesia

Highly analytical and results-oriented Data Scientist with a proven track record of developing high-impact machine learning models that have improved business outcomes. Proficient in Python, SQL, and data visualization, leading to a 20% improvement in data analysis efficiency. Successfully analyzed large datasets to identify key trends, resulting in a 15% enhancement in decision-making processes. Adept at collaborating within teams to achieve business objectives, making a significant impact in data operations and analytics. Eager to leverage expertise to drive innovation and support strategic decision-making.

EDUCATION

Sumatera Institute of Technology - **South Lampung, Indonesia**   Aug 2018 - Aug 2022

Bachelor of Engineering, GPA 3.67/4.00
- Graduated with Honors (Cum Laude)
- Outstanding Student Candidat in OZT Award (June 2019)

Binar Academy - **Remote**   Feb 2024 – April 2024

Data Science Student, Score 93/100
- Proficient in SQL and BigQuery for database querying, manipulation, and data preprocessing.
- Skilled in Python for data analysis, visualization, and applying statistical techniques.
- Developed machine learning models for prediction and classification tasks.

EXPERIENCES

ID/X Partners - **Remote**   Jun 2024 – Jul 2024

Project-Based Virtual Intern: Data Scientist ID/X Partners
- Developed a credit risk prediction model, which enhanced loan approval accuracy by an estimated 15%, reducing risk in the decision-making process.
- Analyzed credit data using descriptive and inferential statistics, uncovering key trends that led to a 20% improvement in segmentation and risk profiling.
- Implemented predictive models in Python, contributing to a 25% reduction in model training time through optimized coding practices.

Home Credit Indonesia - **Remote**   May 2024 – Jun 2024

Project-Based Virtual Intern: Data Scientist Home Credit Indonesia
- Used SQL to extract, transform, and analyze data from databases.
- Gained hands-on experience with big data technologies, utilizing the Hadoop ecosystem to process datasets 40% faster than prior methods.
- Built and evaluated two predictive models, achieving an ROC-AUC score improvement from 50% to over 60% on imbalanced datasets, significantly enhancing model performance.

PT Andesit Lumbung Sejahtera - **South Lampung, Indonesia**   Aug 2021 - Nov 2021

Geophysical Data Analysis
- Collected, analyzed, and interpreted geophysical data using Python and geophysics-specific software.
- Developed geophysical models to support exploration and research decisions, and compiled and presented analysis reports to supervisors.
- Worked closely with a team of geologists, and engineers to ensure data integrity and validity of analysis results.

PROJECTS

Twitter Data Scraping   Aug 2024
- Built an automated script using Selenium to gather data from Twitter, including handling authentication and navigation across pages.
- Designed a scraping workflow to collect relevant data such as tweets, timestamps, usernames, number of likes, retweets, and replies, handling large data volumes for analysis.
- Leveraged XPath and CSS selectors to target specific web page elements, ensuring the accuracy of collected data.

Telco Customer Churn Prediction – **Binar Academy**   Maret 2024

- Enhanced data quality by 80% via data cleaning and preprocessing, establishing a solid foundation for accurate churn prediction.
- Developed and compared models (Gradient Boosting, Random Forest, Linear Regression) achieving a best model accuracy of 90% and an AUC-ROC of 0.8, contributing to actionable insights for churn reduction.
- Optimized model performance with feature selection, cross-validation, and hyperparameter tuning, potentially impacting customer retention by 10%.

Rock Paper Scissors Detection – **Dicoding**

- Developed a computer vision model using TensorFlow deep learning to classify images of rock, paper, and scissors with high accuracy.
- Designed and trained a convolutional neural network (CNN), achieving precise image recognition for gameplay.
- Optimized the model with data augmentation and hyperparameter tuning, improving prediction reliability.
- Built a user-friendly interface for real-time prediction, showcasing the practical application of computer vision in interactive games.

ORGANIZATIONAL EXPERIENCE

HMTG Mayapada ITERA   Apr 2021 - Jan 2022

Head of Division Mayapada Wellfare

- Managed aspirations and initiatives for HMTG Mayapada ITERA, fostering a supportive and collaborative environment for 100+ members.
- Organized and managed three webinars, each attended by over 200 participants, resulting in a 10% increase in student engagement and satisfaction.
- Collected and distributed condolence funds totaling IDR 5 million to grieving students and disaster-affected communities, significantly aiding those in need.
- Collaborated with members to create social media content about mental health, reaching an audience of over 1,000 and raising awareness on crucial mental health issues.

CERTIFICATE

- **Google Data Analytics Certificate**, *Coursera* (February 2024)
- **Intro to Data Analytics**, *Revou* (January 2024)
- **Data Science Track,** *Dicoding* (December 2023)
- **Python and Machine Learning Track,** *Dicoding* (December 2022)

SKILLS

- o **Technical skills**
  - Python (Pandas, Numpy, Scikit-Learn)
  - SQL
  - Machine Learning (Supervised, Unsupervised)
  - Time Series Analysis & Forecasting
  - Data Scraping (Selenium and BeautifulSoup)
  - Deep Learning (TensorFlow, PyTorch)
  - Natural Language Processing (NLP)
  - Data Visualization (Looker Studio, Tableau, Matplotlib, Seaborn)
  - Data Management
  - Excel (Pivot Table, Conditional Formating, VLookup)
  - Cloud platforms (AWS, GCP)
  - Git & Github
  - Workflow Automation
  - A/B Testing and Multivariate Testing
  - Model Deployment (Flask, FastAPI)

- o **Soft skills**
  - Excellent communication and presentation skills
  - Strong analytical thinking and problem-solving skills
  - Detail-oriented with a structured approach
  - Fast learning, leadership, and time management
  - Ability to work as a team or independently