

Eko Supriyono

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EDUCATION

Master of Science in Data Science, Monash University (AU), 2019 – 2020

Study abroad program from Ministry of Finance scholarship

Cumulative GPA: 3.125/4.0

Bachelor of Applied Science in Accounting, PKN STAN (ID), 2014 – 2015

Focusing on Government Accounting with thesis on budget utilization efficiency

Cumulative GPA: 3.61/4.0

WORKING EXPERIENCE

Software Engineer and Analyst | IT Department of Finance Education and Training

Agency

Jakarta Selatan, ID | 2021

- Collaborated on a team of developer on a business analytic system using python and Django framework.
- Contributed on backend system for data reporting automation on internal training platform on Ministry of Finance

Government Data Scientist and Public Communication Analyst | IT Department of Finance Education and Training Agency

Jakarta Selatan, ID | 2018 - 2021

- Collaborated with cross-functional teams to identify and define key data science projects aligned with the organization's goals.
- Conducted data exploration, preprocessing, and feature engineering to prepare datasets for analysis.
- Developed and implemented predictive models and machine learning algorithms to optimize processes, detect patterns, and make accurate predictions.
- Created data visualizations and dashboards to present analytical insights to stakeholders and decision-makers.
- Contributed to the development of data-driven policies and strategies based on evidence-based insights.
- Ensured data privacy and security compliance throughout all stages of data analysis and model development.

Human Resource Analyst | General Finance Training Center of Finance Education and Training Agency

Jakarta Selatan, ID | 2015 - 2018

- Assisted in collecting, cleansing, and analyzing data from various sources to support evidence-based decision-making on the organization's HR strategies
- Collaborated with stakeholders to define data requirements and developed data collection instruments.
- Created automated data processing pipelines to streamline data collection workflows and improve efficiency on HR data.
- Delivering executive report on the development of Human Resource to be used on the board's meeting.
- Analyzing employee workload with cross organization collaboration on multiple units inside Ministry of Finance.

SKILLS

Data Analysis: Proficient in extracting insights from large datasets, conducting statistical analysis, and applying data visualization techniques to effectively communicate findings.

Programming Languages: Expertise in Python, and SQL, with experience in developing data-driven applications and implementing machine learning algorithms.

Data Mining and Cleansing: Skilled in identifying relevant data sources, cleansing and preprocessing data, and ensuring data quality and integrity.

Machine Learning: Strong understanding of various machine learning techniques, including classification, regression, clustering, and natural language processing.

Data Visualization: Proficient in using visualization tools such as Tableau and Looker studio to create compelling visual representations of data.

Big Data Technologies: Experience with Hadoop, Spark, and other big data frameworks for handling and processing large-scale datasets.

PROJECTS

Training Evaluation Report Automation (2022)

Utilizing the Support Vector Clustering (SVC) algorithm and building the application layer with Django, this project provides an efficient and user-friendly solution for clustering user's criticism and suggestion. The developed system empowers businesses to gain valuable insights into training participant expectation and reality, personalize training strategies, and optimize decision-making processes for better participant satisfaction and increased training efficiency in the future training.

CMS, Automation, and Human Resource Dashboard (2023)

Displaying human resource data in a dashboard form utilizing Django and Plotly modules. My expertise lies in leveraging Django's powerful framework to build systems that simplify daily operations, streamline workflows, and facilitate efficient content publication. I have a proven track record of designing and deploying end-to-end solutions that integrate seamlessly with existing business processes, enhancing productivity and operational efficiency. Whether it's developing custom CRM systems, automating routine tasks, or creating dynamic content management platforms, I excel at translating complex business requirements into intuitive, user-friendly applications.

Expert Locator (2023)

My experience includes training and fine-tuning LLMs to identify and match expert profiles based on specific skills, qualifications, and professional backgrounds. I possess a strong understanding of natural language processing (NLP) techniques, enabling me to optimize model performance, improve accuracy, and deliver highly relevant results. I bring a methodical approach to data collection, model evaluation, and iterative improvement, ensuring that the expert locator solution is both efficient and scalable. My ability to collaborate with cross-functional teams allows me to translate complex requirements into practical, AI-driven solutions that meet business objectives.