

# Rein L Tobing

## Accountant and Machine Learning Enthusiast

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Driven accountant with over 6 years of experience in accounting and cost accounting, now starting new career in AI and Machine Learning. Skilled in financial reporting, data processing, and optimization, with technical proficiency in Excel, Python, and various machine learning models. Conducted Market Basket Analysis to optimize product placement and increased sales potential by 15%. Reduced processing time for sales verification from 2-3 hours to 10-20 minutes. Known for analytical thinking, problem-solving, and adaptability, I am seeking a full-time position in machine learning engineering or data science to leverage both my financial and technical expertise.

### EDUCATION

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#### INSTITUT DIGITAL EKONOMI LPKIA

Bachelor of Information Systems

GPA: 3.94

Relevant Coursework: Business Intelligence, Cloud Computing, Mobile Programming, Decision Support Systems, Strategic IT Planning.

Final Project: Sentiment Analysis of official announcement of 2024 Election Results on Social Media X using Naive Bayes and ANN Methods

Bandung

2023 - 2024

#### INSTITUT DIGITAL EKONOMI LPKIA

Associate Degree in Computerized Accounting

GPA: 3.96

Relevant Coursework: Algorithms, Operating Systems, Desktop Programming (Visual Basic), Databases (Microsoft Access, SQL), Microsoft Excel.

Final Project: Application of Information System for Purchasing Raw Materials on Credit at PT Bersama Cipta Rasa Mulya

Bandung

2014 - 2017

#### DIBIMBING.ID

AI and Machine Learning

October 2024 – March 2025

- Learn about Python, GIT, Feature Engineering, Supervised and Unsupervised Learning, Ensemble Learning AI, Deep Learning, Computer Vision, Deploying machine learning, Natural Language Processing (NLP), Chatbot AI, and Generative AI.
- Technical Skills: Python, GIT, Pandas, Matplotlib, Scikit-Learn, TensorFlow.

### WORKING EXPERIENCES

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#### Accounting Staff, PT Darma Inti Solusi

November 2022 - September 2023

- Recorded transaction journals and prepared financial statements, optimizing documentation processes to reduce errors by 25% and improve financial reporting transparency.
- Inputted, paid, and reported corporate taxes (including income tax and VAT), enhancing compliance efficiency and reducing processing time by 30% through an organized tax and management.

#### Cost Accounting Staff, PT Malindo Feedmill, Tbk

September 2018 - October 2022

- Input and checked the farmers' business calculation list by implementing a standardized review process, resulting in a 20% improvement in accuracy and a reduction in calculation errors.
- Analyzed farmer performance and prepared incentive reports, implementing a clear reporting structure that improved transparency by 30%.
- Checked farm stock twice per month, establishing a consistent inventory process that increased stock accuracy by 15% and improved supply tracking transparency.

#### Accounting Staff, PT Tunas Utama Sari Perkasa

November 2017 – May 2018

- Compiled and analyzed account information to prepare asset, liability, and capital entries, along with balance sheets and profit and loss statements, implementing efficient data cleaning techniques that reduced data processing time by 30% for faster financial reporting and analysis.
- Prepared financial reports with advanced data validation checks, increasing data accuracy by 25% and significantly reducing errors in financial reporting.

## ORGANIZATIONAL EXPERIENCES

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### Member, Student Executive Board

March 2015 – February 2017

- Oversaw 3 departments, implementing strategic initiatives that improved departmental performance by an average of 20%.

## PROJECTS

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See full list of projects on [github.com/rein55](https://github.com/rein55)

- **Sentiment Analysis:** Official announcement of 2024 Election Result using Naïve Bayes and Artificial Neural Network classification method 2024
- **Add Click Predictor:** Used Logistic Regression to predict user click behavior on advertisements using a dataset with demographic and user interaction features. 2024
- **Wine Clustering Analysis:** Utilized K-Means Clustering to segment different wine types based on their chemical properties in the Wine dataset. 2024
- **Student Performance Predictor:** Applied Ensemble Learning using Random Forest to predict students' GPA based on demographic and academic performance data. 2024
- **Market Basket Analysis:** Implementation of Market Basket Analysis Method for Purchase Pattern Analysis in Product Layout Planning using Apriori algorithm 2023

## SKILLS

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**Language:** English (Upper-Intermediate with score : 745 + TOEIC), Indonesia (Native)

**Software:** Python, Power BI, Microsoft Excel (Microsoft Office Specialist for Office Excel 2013), Anaconda, Docker, GIT, Pandas, Matplotlib, Scikit-Learn, TensorFlow.

**Hard Skills:** Programming with Python, Machine Learning Modelling, Data Manipulation and Analysis, Deep Learning (ANN, DNN, CNN, RNN), Natural Language Processing (NLP).

**Soft Skills:** Analytical Thinking, Problem Solving, Attention to Detail, Adaptability, Communication Skills, Critical Thinking, Teamwork.