



Henry Samuel Manurung

☎ +62 85158567022

✉ henrysmnrg@gmail.com

🌐 Henry Samuel Manurung

🔗 nrysam

SUMMARY

Data Scientist with over 3 years of professional experience in data analysis, machine learning, and computer vision. Proven track record in leveraging data to drive business growth, enhance product development, and solve complex challenges. Proficient in Python, TensorFlow, PyTorch, SQL, and Tableau. Experienced in leading cross-functional teams and implementing innovative solutions to deliver actionable insights. Committed to continuous learning, holding certifications in Machine Learning, Data Science, Business Intelligence, and Product Management. Excels in dynamic environments that foster critical and creative thinking, passionate about contributing to impactful projects in Data Analytics, Data Science, and Machine Learning.

WORK EXPERIENCE

DA Technology

Karawang, Indonesia

Computer Vision Team Leader

Aug 2023 – Present

- Lead a team to analyze defects in battery cell production using computer vision, improving product quality by 20%.
- Developed Python scripts to automate data file transfers and filtering, reducing analysis and reporting time by 40%.
- Implementing image processing and object detection techniques to identify patterns, shapes, and features in images for cell battery.
- Train machine learning models using TensorFlow, enhancing image classification and recognition accuracy.
- Develop Excel VBA macros for data filtering, improving CPK machinery calculations.
- Develop comprehensive warehouse inventory reports, reducing handling time by 25%.
- Develop Face Recognition for Attendance using Flask.
- Generate reports and visualize data for stakeholders using Tableau.

Shopee

Jakarta, Indonesia

Business Development Analyst

Feb 2022 – Aug 2023

- Developed a personalized tracker for shop monitoring, boosting efficiency by 30%.
- Analyzed advertising campaigns, optimizing strategies to achieve a 25% increase in ROI.
- Conducted market trend analysis and implemented A/B testing, increasing conversion rates by 15%.
- Prepared and delivered presentations to seller, providing regular updates on campaign performance, key findings, and actionable recommendations.
- Generate more than \$600,000 USD as a company revenue.
- Provided valuable insights and knowledge about Shopee Ads as a live speaker to 5000+ sellers through Shopee webinar on monthly basis.

HPI-Agro (PT Muria Sumba Manis)

Sumba, Indonesia

Boiler & Power Plant Staff

Oct 2020 – Jan 2022

- Developed Database for storing daily operation metrics using MySQL.
- Analysed operation trends and acted as decision maker to improve the metrics.

EDUCATION

Bandung Institute of Technology (ITB)

Bachelor of Science in Mechanical Engineering

Bandung, Indonesia

Aug 2015 – Jan 2020

Final Project : Bandung Municipal Solid Waste Combustion Simulation on Small Incinerator using Flic and Fluent

Mechanical Project : Led a collaborative team of three members on a significant mechanical project, designing and assembling the innovative '2-in-1 Vacuum Dryer.'

Project Showcase : Showcased the '2-in-1 Vacuum Dryer' at the prestigious Mechanical Exhibition in 2019, demonstrating innovative engineering solutions to a wide audience.

PROJECT PORTFOLIO

Face Recognition Attendance

May 2024 – June 2024

- **Description:** Encompasses face registration, encoding, and real-time attendance monitoring, ensuring accurate and efficient attendance logging using Python and Flask.

Face Fatigue / Drowsiness Detection

Apr 2024 – May 2024

- **Description:** Combined face recognition and fatigue detection models to identify users' fatigue status from webcam video input.

LSTM-based Yelp Review Sentiment Analysis

Mar 2024 – Apr 2024

- **Description:** Analyzing Yelp reviews using NLP approach to categorize sentiments as positive or negative.

CNN-based Car Part Identifier

Feb 2024 – Mar 2024

- **Description:** Develops a CNN-based car part identifier to accurately classify images into 50 different categories of car components.

Forming UCL 22/23 XI of the Tournament Analysis

Nov 2023 – Jan 2024

- **Description:** Leverages advanced statistical methods and data visualization techniques to evaluate and select the top performers for each position in UCL 2022/2023.

CERTIFICATION

- DeepLearning.AI TensorFlow Developer (Apr 2024)
- Product Management (Nov 2022)
- Business Intelligence (Feb 2022)
- Python – Data Science (Jan 2022)

SKILLS

Computer Skills: Python, TensorFlow, PyTorch, NumPy, Scikit-learn, Pandas, Keras, OpenCV, Matplotlib, Seaborn, Tableau, Power BI, MySQL, Flask, AWS Elastic Beanstalk, MATLAB, JIRA, VBA, Docker, YOLO, Git.

Technical Skills: Analytical Thinking, Problem Solving, Face Recognition, Deep Neural Network, Convolutional Neural Network, Recurrent Neural Network, Natural Language Processing, Machine Learning, Leadership, Data Wrangling, Exploratory Data Analysis, Data Visualization, Web Development, Market Analysis, Collaboration, Innovation, Data-Driven Decision Making, Project Management.