

YUDHA MULYANA

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PROFILE

Final year Computer Science student at Dian Nuswantoro University with a passion for data science and spatial data analysis. Transitioned from 2 years in course program management to a data science career. Skilled in research, analytical thinking, and project management. Proficient in Python, SQL, spreadsheets, and Google Looker Studio for data analysis and visualization. Dedicated to continuous learning and leveraging data for informed decision-making.

EDUCATION

University of Dian Nuswantoro Semarang Jul 2021 – Present
Computer Science/Informatics Program, GPA 3.9 / 4.00

- Student Association in Computer Science/Informatics
- Member of Research Center for Materials Informatics (Create 2 sinta journals 3 on data science)
- Finalist Program Penguatan Kapasitas Organisasi Kemahasiswaan, (PPKO Kemendikbud)
- Competitive Programming participants, (GEMASTIK Kemendikbud)
- Software & Hardware Fair participants, (Hi-Technology HMTI UDINUS)

MSIB / Studi Independent GreatEdu Feb 2024 – Present
Data Science Bootcamp ([Dashboard Project](#))

- Gained expertise in Python, Jupyter Notebook, Google Looker Studio, KNIME, Scikit-learn and Matplotlib.
- Proficient in data cleaning, exploration, modelling, evaluation and visualization techniques.
- Developed a strong understanding of machine learning concepts, including supervised and unsupervised learning.
- Led the final project team, creating data science projects involving data analysis and machine learning to solve real problems, achieving 3rd place in the competition.

DATA SCIENTIST EXPERIENCE

Bengkel Koding (Dian Nuswantoro Foundation) – Semarang Feb 2024 – Present
Mentor Data Science

- Guided 5 senior students through Thesis 1 (TA1) and Thesis 2 (TA2) stages, focusing on Data Science.
- Improved the data science course module for Bengkel Koding.
- Developed mid-semester and final exams in project format for 30+ students.
- Conducted comprehensive assessments of student assignments per guidelines.
- Utilized Python and Google Colab for instruction and project development.

Home Credit Indonesia (PT Home Credit Indonesia) – Jakarta Dec 2023 – Jan 2024
Data Scientist Intern ([Project-based Internship by Rakamin](#))

- Developed a credit risk prediction model using Random Forest, analyzing data for 10,000+ customers.
- Provided insights into variable relationships and credit risk, enhancing decision-making.
- Identified 5 potential customer segments for targeted promotions.
- Recommended 3 promotional strategies based on model analysis.

Kalbe Nutritionals (PT Sanghiang Perkasa) – Jakarta Sep 2023 – Oct 2023
Data Scientist Intern ([Project-based Internship by Rakamin](#))

- Analyzed inventory demand with ARIMA, optimizing daily inventory for 100+ products.
- Segmented market using KMeans clustering, improving personalized promotions.
- Developed 4 Tableau visualizations and a [dashboard](#) to track sales and inventory.
- Utilized Python, Jupyter Notebook, Tableau, Dbeaver, and PostgreSQL for data analysis.

ORGANIZATION & LEADERSHIP

Student Association in Computer Science/Informatics Sep 2022 – Present
Head of Team Development PPK ORMAWA May 2023 – Dec 2023

- Led a 4-member team, achieving a 20% enhancement in the functionality of the jaricktku.com.

- Conducted bi-weekly progress meetings, maintaining 100% adherence to project timelines.
- Innovated and implemented ideas, resulting in a 15% improvement in the jarictku.com features.
- Provided 5 training sessions, leading to a 25% increase in team efficiency in using and maintaining the website.

Head of Hardware Division

Aug 2022 – Aug 2023

- Led and managed 14 team members, achieving a 20% increase in hardware maintenance efficiency.
- Implemented task division for maintaining HM-TI camp hardware, including printers, computers, hard disks, etc.
- Successfully maintained and repaired damaged hardware to reduces downtime.
- Conducted bi-monthly equipment inspections, ensuring a 100% compliance rate for HM-TI hardware.
- Collaborated with the head of the software division, providing training that resulted in a 25% improvement in members proficiency in software and hardware.

Head of HI-Technology 2023

Dec 2022 – Mar 2023

- Led 48 team members, achieving a 50% funding increase and attracting 15 software hardware fair teams.
- Successfully got sponsorship IDR 14,820,000. Increased 120% compared to 2022's funding
- Generated a 300% increase in visitor votes compared to the previous year (online).
- Motivated and guided team members to achieve vision, mission, and activity goals, resulting in successful events and budget realization

Head of Code Jam Academy

Jan 2023 – Feb 2023

- Led and managed 4 team members, achieving successful Code Jam Academy training.
- Prepared proposals and activity plans, focusing on Laravel as the training theme.
- Created material for the training, ensuring effective knowledge transfer.
- Generated accountability reports detailing event realization and budget for all activities.

Coordinator of the Laravel Workshop Event Division

Sep 2022 – Oct 2022

- Led and managed 9 team members, ensuring successful workshop events.
- Conducted a deep meeting for event members to discuss and plan the workshop.
- Orchestrated all event preparations, including rehearsals and speaker arrangements.
- Coordinated the entire event on the day, following a detailed rundown.

PROJECT

- Breast Cancer Classification, Data Science Project, using Naïve Bayes, Random Forest, etc. ([project](#))
- Heart Disease Classification, LSP certification, using Random Forest, XGBoost, etc. ([project](#))
- Global Air Pollution Clustering, Final Project Data Science GreatEdu, using KMeans, Kmedods, Ward ([project](#))
- Diabetes Prediction, Data Science Project 6 GreatEdu, using RF, GBM, LightGBM, XGB ([project](#))
- Clustering Online Retail-RFM, Data Science Project 5 GreatEdu, using KMeans ([project](#))
- Banking Churn Prediction, Data Science Project 4 GreatEdu, using LightGBM, RF, XGBoost ([project](#))
- Create Insight House Price Prediction, Data Science Project 3 GreatEdu ([project](#))
- Final Project Virtual Intern Data Science Home Credit Indonesia x Rakamin Academy ([project](#))
- Forecasting of student graduation time, using KNeighbors Classifier ([project](#))
- Fish Weight Prediction using dataset from Kaggle, using Linear Regression ([project](#))
- Classification & Clustering data of employee resignation from a Company, using KMeans ([project](#))
- Final Project Virtual Intern Data Science Kalbe Nutritionals x Rakamin Academy, using the Arima model ([project](#))
- Machine Learning: Detect positive or negative comments, using Pytorch ([project](#))
- Simple project data pre-processing, using Standard Scaler ([project](#))

CERTIFICATION

- [Certified as an Associate Data Scientist](#), BNSP Issued Jun 2024
- [Data Visualization with Python](#), Google Issued Jun 2024
- [Data Analysis with Python](#), IBM Issued Jun 2024
- [Google Data Analytics Professional Certificate](#), Google Issued May 2024
- [Basic Proficiency in KNIME Analytics](#), KNIME Issued May 2024
- [Database and SQL for Data Science with Python](#), IBM Issued Mar 2024
- [Python Project for Data Science](#), IBM Issued Feb 2024

• <u>Python for Data Science, AI & Development</u> , IBM	Issued Dec 2023
• <u>Bootcamp Microsoft Office Excel Specialist</u> , KarirNex	Issued Dec 2023
• <u>Data Science Methodology</u> , IBM	Issued Nov 2023
• <u>Tools for Data Science</u> , IBM	Issued Oct 2023
• <u>Data Science Orientation</u> , IBM	Issued Aug 2023
• Learn SQL with AI, DQLab	Issued Aug 2023
• Introduction Data Science with python, DQLab	Issued Aug 2023
• Data Science Specialization, Rakamin Academy	Issued Aug 2023
• Getting Started with Deep Learning, NVIDIA DLI	Issued Jan 2023
• Mini Course Data Analyst, RevoU	Issued Nov 2022
• Front-end Developer, Dicoding Indonesia	Issued Feb 2022

SKILLS AND INTERESTS

Computer Skills	: Python, Machine Learning, SQL, Excell, Jupyter Notebook, Tableau, Google Looker Studio, Power BI, Data Mining, Flask, Streamlit, KNIME, Laravel, Codelgniter, Statistical Analysis Machine, Learning Algorithms, Canva, Microsoft Office
Interests	: Internship Data Scientist Data Analyst Data Engineer Business Analyst Technology