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 3.92 / 4.00
- Student Association in Computer Science/Informatics
- Member of Research Center for Materials Informatics (Create 2 sinta journals 3 and 1 journals Scopus 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 – Jul 2024
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 EXPERIENCE

Telkomsel (PT Telekomunikasi Selular) – Semarang   Oct 2024 – Present
Intern Data Scientist
- Developed a bot for automated server alert reporting, reducing processing time by 80%.
- Created an insightful customer churn dashboard using Looker Studio for data-driven decision-making.
- Designed a customer churn prediction web application using Streamlit, achieving 95% accuracy.
- Automated real-time server downtime reporting from GraPARI security teams, replacing manual WhatsApp inquiries and enhancing response efficiency.
- Completed 4 advanced courses in data science and analytics to enhance technical and analytical skills.

Bengkel Koding (Dian Nuswantoro Foundation) – Semarang   Feb 2024 – Sept 2024
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 – Sep 2023
Head of Team Development PPK ORMAWA   May 2023 – Dec 2023
- Led a 4-member team, achieving a 20% enhancement in the functionality of the jarictku.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

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](#))

PROFESSIONALS CERTIFICATION

- **Foundations of Business Intelligence**, **IBM**   Issued Nov 2024
- **Machine Learning with PySpark: Customer Churn Analysis**, **Google**   Issued Nov 2024
- **Visualizing Data with Google Data Studio**, **Google**   Issued Oct 2024
- **BI Dashboards with IBM Cognos Analytics and Google Looker**, **IBM**   Issued Oct 2024
- **IBM Data Science Professional Certificate**, **IBM**   Issued Jul 2024
- **Certified as an Associate Data Scientist**, **BNSP**   Issued Jun 2024
- **Google Data Analytics Professional Certificate**, **Google**   Issued May 2024
- **Basic Proficiency in KNIME Analytics**, **KNIME**   Issued May 2024
- **Bootcamp Microsoft Office Excel Specialist**, **KarirNex**   Issued Dec 2023

SKILLS AND INTERESTS

Computer Skills   : Python, Machine Learning, SQL, Excell, Jupyter Notebook, Tableau, Google Looker Studio, Power BI, Data Mining, Flask, Streamlit, KNIME, Laravel, CodeIgniter, Statistical Analysis Machine, Learning Algorithms, Canva, Microsoft Office

Interests   : Internship **|** Data Scientist | Data Analyst | Data Engineer | Business Analyst | Technology