

NUGRAHA VARREL KUSUMA

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Professional Summary

Fresh Graduated Informatics student with a GPA of 3.92/4.00 and solid experience in data analysis, data visualization, data science, and predictive modeling. Skilled in Python, SQL, Tableau, Power BI, Advanced Excel, and cloud technologies. Proven ability to work with real-world datasets, deliver actionable insights, and communicate findings effectively. Actively seeking opportunities in data analyst roles.

Skills

Technical Skills – Python, R, SQL, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, Scikit-learn, PostgreSQL, MySQL, Excel, Power BI, Tableau, Google Looker, Google Cloud Platform, Git, Jupyter Notebook, Google Colab.

Analytical Skills – Data Cleaning, Data Visualization, Data Science, Statistical Analysis, Predictive Modeling.

Soft Skills – Communication, Team Collaboration, Public Speaking, Leadership, Critical Thinking.

Experience

PT Petrokimia Gresik

IT Business Partner Intern | *Jan 2024 – May 2024*

- ✓ Developed internal event management platform used by over 200 employees.
- ✓ Conducted usability testing and achieved 40% reduction in user-reported issues after two iterations.

Bangkit Academy (Google, GoTo, Traveloka) – Cloud Computing Cohort

MSIB Program | *Aug 2023 – Dec 2023*

- ✓ Completed 900+ hours of training on cloud architecture, GCP deployment, DevOps, and microservices.
- ✓ Built and deployed REST APIs to Google Cloud Platform.

BisaAI Academy – Data Science Learning Path

MSIB Program | *Feb 2024 – May 2024*

- ✓ Learned practical applications of machine learning, EDA, and Python data stack.
- ✓ Contributed to end-to-end capstone project on road damage detection.

Projects

Social Media Sentiment Analysis

- ✓ Collected and processed 50,000+ social media posts to analyze public sentiment on trending topics.

- ✓ Visualized sentiment trends using Matplotlib and Seaborn, achieving 85% classification accuracy.

Stock Price Movement Classification using Random Forest

- ✓ Built a machine learning classification model to predict stock price movement (up, down, or stable) using historical data.
- ✓ Evaluated model performance using accuracy, precision, recall, and confusion matrix.

Exploratory Data Analysis (EDA) on Smartphone Product Dataset

- ✓ Explored descriptive statistics to understand basic characteristics of the dataset.
- ✓ Created informative data visualizations to reveal patterns and trends across smartphone features.
- ✓ Delivered insightful conclusions based on EDA to support data-driven understanding of the product landscape.

Road Damage Visualization

- ✓ Processed and visualized 5,000+ road images using Python to support classification efforts.
- ✓ Improved model training efficiency by 15% through optimized data preprocessing pipeline.

Certifications

<u>Certified Data Science BIZ (CertNexus)</u>	<i>July 2024</i>
<u>Certified Artificial Intelligence BIZ (CertNexus)</u>	<i>October 2024</i>
<u>Certified Specializing in Cloud Computing (Bangkit)</u>	<i>January 2024</i>
<u>Certified Specializing in Data Scientist (BisaAI)</u>	<i>Juni 2024</i>

Education

Universitas Pembangunan Nasional Veteran Jawa Timur

Bachelor of Informatics | GPA: 3.92/4.00 *Jul 2021 – May 2025*
Relevant Coursework: Data Mining, Machine Learning, Database Systems, Statistics, Data Structures & Algorithms, Software Engineering, Cloud Computing, Business Intelligence

Organizational Experience

Vice Chairman – CV Crafting 2023

- ✓ Led event planning and successfully partnered with several IT companies.
- ✓ Oversaw execution and coordination among cross-functional teams.

Vice Chairman – Building Character Day 2022

- ✓ Organized a student character-building event attended by over 450 participants.
- ✓ Managed a team of 60+ committee members to ensure smooth operations.

Disciplinary Committee – Landasan Kepemimpinan 2023

- ✓ Promoted character development through structured mentoring activities.
- ✓ Ensured discipline compliance among 400+ student participants.