ANISYA NUGRAHENI FAUZIYYAH

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A bachelor's degree in Mathematics from Universitas Gadjah Mada, skilled in Microsoft Excel, SQL, Python, Tableau, and Power BI. Experienced in end-to-end data analysis, including data collection (web scraping), cleaning, visualization, and predictive modeling using Python-based machine learning, gained through the Bangkit Academy program and self-initiated projects published on Medium.

Education Level

Universitas Gadjah Mada - Yogyakarta   Sep 2020 - Jan 2025

Bachelor of Mathematics, 3.11/4.00

- Thesis Title : Image Inpainting Using Harmonic and Mixed Median Methods
- Description:
- Analyzed and compared the performance of Harmonic and Mixed Median inpainting methods in reconstructing damaged image regions. Implemented both methods in Python using NumPy, OpenCV, and Matplotlib, and evaluated the inpainting results through error metrics including MSE (Mean Squared Error), PSNR (Peak Signal-to-Noise Ratio), and SSIM (Structural Similarity Index).

Experiences

Private Mathematics Tutor - Sukoharjo   Jul 2025 - Present

Freelance

- Private mathematics tutor for elementary school students, teaching basic mathematics such as subtraction and other fundamentals.
- Private mathematics tutor for senior high school students who are preparing for university entrance exams, teaching material such as algebra, geometry, and statistics, as well as providing tips, and strategies to achieve the best scores.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka   Feb 2024 - Jun 2024
- Remote

Machine Learning Cohort

Selected as 1 of 4,650 participants from 57,000+ applicants across 327 universities in Indonesia for Bangkit Academy, a career readiness program developed by Google, aimed at equipping Indonesian university students with practical skills and knowledge required in the technology industry.

- Capstone Project -- developed a mobile application called Skintone.me, which detects skin tone and provides fashion and jewelry recommendations. Built over 7 weeks in a team; my role focused on preprocessing a 7,000-entry color palette dataset from Kaggle and developing a custom recommendation model using Python.
- Data Analysis Project -- completed a full-cycle data analysis project using the Bike Sharing Dataset in Python. Involved in data collection, cleaning, exploratory and explanatory analysis, and presented the results through an interactive dashboard built with Streamlit.

KKN-PPM UGM Ngargoretno - Magelang   May 2023 - Aug 2023

Secretary

KKN-PPM UGM (Community Service and Empowerment Learning Program) is a community service program carried out by students of Universitas Gadjah Mada (UGM) as part of the university curriculum. This program aims to enhance students' abilities and skills in addressing community issues, as well as to provide a tangible contribution to sustainable development.

- Coordinated and managed data of 25 KKN-PPM team members using spreadsheets.
- Prepared and issued attendance statements upon team members' requests using Microsoft Word.
- Assisted in compiling the final report, including documentation of team activities.
- Liaised with the Field Supervising Lecturer (DPL) regarding team activities and attendance.

BERKEMAS#8 by IKEMAS UGM - Sukoharjo   Nov 2021 - Feb 2022

Staff of Secretariat Division

BERKEMAS (Bersiap Kejar Masa Depan) is IKEMAS UGM's largest program, aimed at helping high school students in Sukoharjo and Greater Solo prepare for university entrance exams and learn about campus life. Activities include a national SNBT tryout, university and UGM faculty expos, and student life seminars.

- Interviewed 12 prospective committee members applying for the Secretariat Division of BERKEMAS#8.
- Managed data of approximately 50 BERKEMAS#8 committee members using spreadsheets.
- Handled registration and managed data over 300 tryout participants, including designing the registration workflow in spreadsheets.
- Acted as the primary point of contact for participant inquiries

Organizational & Projects

IKEMAS UGM - Sukoharjo   Feb 2021 - Dec 2022

Staff of Public Relations Division

- Acted as a liaison for internal and external affairs, handled official correspondence, distributed information to relevant stakeholders, coordinated both internal and external events.
- Facilitated and supported new staff to ensure their tasks aligned with division goals and daily operations ran smoothly.

Exploring Bali's Accommodation Market Through Data (Medium, 2025)
- Scraped over 450 accommodation listings from a website using Selenium in Python, collecting information such as title, price, location, star category, rating, listing category, review count, and facilities.
- Cleaned the dataset by removing duplicates and adding a new column regency derived from the location column using SQL.
- Processed the facilities column in Python by splitting 700+ unstructured entries into a standardized list of facilities.
- Built an interactive Tableau dashboard to visualize price, rating, star classification, and category distributions by location using filters, uncovering key insights into accommodation characteristics.

Customer Behavior Analysis on Online Retail Data Project (Medium, 2025)
- Cleaned the Online Retail dataset (541,909 rows) from Kaggle using SQL by removing duplicate rows, handling missing values, and correcting inaccurate entries.
- Performed Exploratory Data Analysis (EDA) to explore customer purchasing behavior.
- Answered business- relevant questions based on data findings and developed an interactive Power BI dashboard to visualize total revenue, revenue loss, repeat customers, customer distribution by country and discounts, monthly sales trends, and other key performance metrics.

Melbourne Property Prices Analysis Project (Medium, 2025)
- Cleaned the Melbourne Property Market Prices dataset (50,000+ rows) from Kaggle using SQL by removing rows with missing values in the 'Price' column and filtering out unused 'Method' entries for analysis.
- Performed Exploratory Data Analysis (EDA) and developed an interactive Tableau dashboard to visualize top suburbs by property count, top council areas by average price, average price by room category and property type, and number of transactions by month — all with interactive filters.
- Built a price prediction model using Python and linear regression, and evaluated its performance using RMSE and R^2 metrics.

Flight Data Insights: A Complete Analysis in Excel (Medium, 2025)
- Cleaned and prepared an Airline dataset (98,619 rows) from Kaggle using Microsoft Excel by standardizing formats, removing duplicates, correcting inconsistent entries, and handling invalid values.
- Performed Exploratory Data Analysis (EDA) to identify key variables and design effective visualizations for uncovering insights into flight behavior.
- Developed an interactive dashboard in Microsoft Excel using Pivot Tables to visualize departure countries, age ranges, monthly departure trends, and other key insights.

Skills & Certifications

- **Soft Skills**: Teamwork, Analytical Thingking, Time Management, Project Management, Problem-Solving, Adaptablity, Data Analytics
- **Hard Skills**: Microsoft Excel, SQL, Python, Tableau, Power BI
- **Certification** (2024): Mathematics for Machine Learning (Coursera)
- **Certification** (2024): Structuring Machine Learning Projects (Coursera)
- **Certification** (2024): Machine Learning Specialization (Coursera)
- **Certification** (2024): DeepLearning.AI TensorFlow Developer Specialization (Coursera)
- **Certification** (2024): TensorFlow: Data and Deployment Specialization (Coursera)
- **Certification** (2024): TensorFlow: Advanced Techniques (Coursera)