Hilal Azhar Fawaz

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Summary

I am a data enthusiast currently in my second year of studying Statistics at Universitas Islam Indonesia. I have a strong interest in data analysis, programming (Python, SQL, R), and data visualization using tools like Tableau and Matplotlib. My experience includes active participation in student organizations, such as Ikatan Keluarga Statistika (IKS UII), where I am involved in the public relations department, fostering collaboration and communication.

I am passionate about exploring new learning opportunities and applying my skills in innovative data-driven projects. I am particularly interested in leveraging data to provide actionable insights and solve complex problems. My dedication to teamwork, continuous growth, and attention to detail is reflected in both my academic achievements and organizational roles.

Experiences

Programing Algorithm Practicum Assistant   *September 2024 – Now*
Contract

As a Programming Algorithm Practicum Assistant, I specialize in supporting students in mastering core algorithm concepts. My mission is to enhance their learning experience by providing guidance, distributing weekly materials and assignments, and offering timely feedback to foster their understanding and skill development.

- Assisted students in understanding core algorithm concepts, providing guidance on completing practical programming assignments and problem-solving techniques.
- Supported the evaluation of assignments and projects, ensuring timely feedback and promoting a deeper understanding of programming algorithms.
- Created and distributed weekly learning materials and assignments, ensuring alignment with the taught content and fostering the gradual development of students' programming skills.

Skills

- **Programming Languages: Python** (Pandas, NumPy, MatPlotLib), **SQL** (MySQL), **R** (dplyr, ggplot2, tidyr)
- **Data Tools:** Ms. Excel, Rstudio
- **Data Visualization:** Tableau

Top Projects

Sport Analytics – *Team Project*   *2023*
- Designed and implemented an interactive dashboard using Python (Streamlit, Plotly) to analyze a badminton match between Anthony Sinisuka Ginting and Anders Antonsen at KFF Singapore Open 2023.
- Developed a detailed coding framework for shot types, directions, and player positions to observe key gameplay strategies, utilizing match data for comparative analysis.
- Utilized Excel for raw data management and performed data wrangling to extract meaningful insights from different match sets.
- Created dynamic visualizations, including bar charts, to compare the performance of both players based on shot frequency and accuracy.

ISTORYA (Indonesian History Adventure) – *Team Project*   *2022*
- Developed ISTORYA, an educational game designed to teach the history of Japanese colonization in Indonesia through a creative and innovative learning approach.
- Utilized Construct 3 to create various in-game features and mechanics, focusing on designing and implementing engaging gameplay elements.
- Integrated a variety of learning materials, including informative readings and interactive audio, to enhance users understanding of historical events.
- Collaborated with a team to enhance the educational quality and effectiveness of the game, promoting interactive learning through engaging content and design.

Educations

UNIVERSITAS ISLAM INDONESIA–*Yogyakarta, Indonesia*   *Januari 2027 (Expected)*
Undergaduate Bachelor of Statistics | GPA 3.99/4.00

Honors & Awards

3rd Place in the DINUSFEST Scientific Paper Competition   *Jan 2023*
Issued by Universitas Dian Nuswantoro

2nd Place in the Youth Scientific Paper Competition at the Central Java Youth jamboree   *Nov 2022*
Issued by Dinas Kepemudaan, Olahraga dan Pariwisata Provinsi Jawa Tengah

1st Place in the High School Scientific Paper Competition at Jepara Regency   *June 2022*
Issued by Bappeda Kabupaten Jepara