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Top Skills

R

Machine Learning

English as a Second Language
(ESL)

Certifications

Belajar Machine Learning untuk Pemula

Belajar Dasar Google Cloud

Gold Medal English in National Competition

Permanent Member Certificate -
Himpunan Mahasiswa Sains Data
(HMSD) ADYATAMA

Impact Circle 10.0 AIESEC UNILA

Honors-Awards

Silver Medalist - National
Mathematics Competition (KSPI
2024)

Gold Medalist - National English
Competition (KSPI 2024)

1st Place Winner - Pianoforte 2
Piano Festival 2016

Scholarship Finalist - Beasiswa
Sobat Bumi Pertamina Foundation

Top Performing Student - Multimedia
Program (Class of 2023)

Publications

Empowering the Future: AI-Based
Website Development Training
to Boost High School Students'
Creativity and Digital Skills

Khairunnisa Maharani

Data Science Student at ITERA | Enthusiast in Data Analytics,
Engineering, and Science | Most Outstanding Student Awardee 2023
Kota Bandar Lampung, Lampung, Indonesia

Summary

A third-year Data Science student at Institut Teknologi Sumatera with a passion for leveraging data and design to solve real-world problems. My academic excellence is demonstrated by winning national medals in both Mathematics and English Olympiads.

I have hands-on experience across the full data lifecycle, from research to deployment. I co-authored a research paper on AI-assisted training (published in a Sinta 2 journal), and built a flood risk prediction app using machine learning and Streamlit.

I served as an Assistant Lecturer, mentoring junior students in core data science courses, and helping them build strong foundations in statistics and programming.

Beyond academics, I designed and developed the website and visual branding for Konsumerz, a mentoring program that empowers vocational students with data skills. I also served as a mentor and facilitator, guiding them in building real portfolios. In addition, I was selected as a verifier for 2025 undergraduate admissions, handling applicant data with accuracy and professionalism.

I've led teams, spoken at events, and managed social media campaigns. Currently a finalist for the Sobat Bumi Scholarship by Pertamina Foundation, I'm excited to bring my analytical and creative mindset to opportunities in Data Analytics, Engineering, or Science.

Let's connect!

Experience

Institut Teknologi Sumatera
3 months

Front-End Developer & Visual Designer-PKM-PM Konsumerz

June 2025 - Present (2 months)

South Lampung Regency, Lampung, Indonesia

- Designed and developed the front-end of the Konsumerz mentoring program website using Next.js, aimed to showcase the work of 30 selected vocational high school students (SMK RPL) participating in data exploration and MSME analytics training.
- Facilitated weekly mentoring sessions and acted as a core facilitator, guiding students in building their own data-related portfolios to increase career readiness.
- Led the visual identity design of the Konsumerz program, including logo, color palette, and design system, ensuring cohesive branding across digital platforms.
- Managed and created content for the Instagram presence of the program, crafting visuals and educational materials to enhance outreach and student engagement.

Public Relations & Graphic Designer

May 2025 - Present (3 months)

South Lampung Regency, Lampung, Indonesia

- Designed and developed over 20+ visual assets for the Data Science program's Instagram, including academic announcements, student achievement highlights, and other informational content.
- Spearheaded the standardization of the program's visual branding on social media, ensuring consistency in color palettes, typography, and layout to build a strong and recognizable visual identity.
- Collaborated within a dynamic team of 8 members, including faculty and students, to translate communication briefs and written requirements into compelling and effective graphic content using Canva.

HMSD Adyatama

Person in Charge (PIC) of DataPudi English Speech Competition

March 2025 - May 2025 (3 months)

- Led and coordinated a committee team of 2 members to execute the English Speech Competition, a key event within the 'DataPudi' Dies Natalis celebration.
- Managed all operational logistics, from venue coordination to overall event flow, ensuring a smooth experience for all participants.
- Hosted and moderated the speech event as the Master of Ceremonies (MC), ensuring the competition ran on schedule while maintaining an engaging atmosphere for participants and the audience.

- Utilized Google Suite (Forms, Sheets, Docs) to streamline the competition process, including managing participant registration data and creating organized event documentation.
- Authored the official competition rulebook and developed objective evaluation criteria, establishing a fair and transparent framework for the competition.
- Successfully executed an inclusive event that attracted participants from diverse study programs across ITERA, resulting in a final cohort of 5 competitors.

Institut Teknologi Sumatera

7 months

Student Creativity Program - Community Service (PKM-PM) — AI-Based Website Development Training

February 2025 - February 2025 (1 month)

SMA AI - Huda Jatimulyo

- Contributed as a member of a 9-person project team to deliver an AI-assisted website development training for 22 high school students at SMA AI Huda.
- Provided direct technical guidance to students during hands-on sessions, tutoring them on the fundamentals of HTML, CSS, and JavaScript and teaching them how to leverage AI for coding assistance.
- The program's effectiveness was successfully validated through pre-test and post-test assessments using Quizizz, which recorded a significant 17% increase in the students' knowledge and understanding of the material.
- Co-authored and contributed to the project's findings which were accepted and published in the Sinta 2 accredited peer-reviewed journal: "SMART SOCIETY: Community Service and Empowerment Journal" (Vol. 5, Issue 1, 2025).

Student Creativity Program - Scientific Article - The Impact of Spotify's User Personalization

January 2025 - February 2025 (2 months)

South Lampung Regency, Lampung, Indonesia

- Contributed to a research project analyzing the impact of Spotify's personalization features (like Wrapped) on brand awareness and profit, based on survey data collected from 111 respondents.
- Performed statistical analysis on the collected data, utilizing descriptive methods and Pearson correlation to measure the relationship between personalization features and key business metrics.
- Co-authored the initial sections of the scientific manuscript as the fourth author, focusing on the background research and article composition.

- Concluded from the analysis that personalization features had a weak correlation with brand awareness ($r=0.1713$) and a negligible effect on user subscription decisions ($r=-0.0420$).

Assistant Lecturer (Multimedia, Pervasive Computing & DSP)

August 2024 - December 2024 (5 months)

South Lampung Regency, Lampung, Indonesia

- Provided comprehensive back-end academic support across three senior-level courses: Multimedia Technology, Pervasive Computing, and Digital Signal Processing.
- Managed and maintained student academic data using Google Suite (Sheets, Docs), including recapitulating grades from various assessments and tracking attendance records for a large cohort of students.
- Served as a key point of contact for student inquiries and verified technical requirements for project submissions, such as ensuring the functionality of presentation videos.

Computer Lab Assistant

August 2024 - December 2024 (5 months)

South Lampung Regency, Lampung, Indonesia

- Delivered weekly instruction and provided hands-on technical guidance to a class of over 30 first-year university students.
- Taught fundamental topics including computer basics, principles of sustainability in technology, and practical skills in Microsoft Office Suite (Excel, Word, PowerPoint).
- Assumed a lead instructional role by independently creating, administering, and grading quizzes and assignments, directly contributing to the students' final practical scores.

Participant, English Debate Competition

October 2024 - October 2024 (1 month)

Participated in the "Lomba Bulan Bahasa 2024" as a debater, enhancing critical thinking, research, and public speaking skills.

Publication and Promotion at ICSSF Event

September 2024 - September 2024 (1 month)

- Served as Publication and Promotion Staff for the International Conference on Science, Sustainability, and the Future (ICSSF), an international event organized by the Faculty of Science, Institut Teknologi Sumatera.

- Facilitated seamless conference operations by managing Zoom meetings for virtual presentations and providing comprehensive on-site assistance to presenters and attendees.
- Contributed to the successful execution of an international academic forum that brought together participants from Thailand, Korea, and Japan, centered on critical sustainability discussions.

AIESEC in Universitas Lampung

Delegate, Impact Circle 10.0 AIESEC

December 2024 - December 2024 (1 month)

Actively engaged as a delegate in Impact Circle 10.0, a program by AIESEC in Unila, dedicated to exploring and addressing critical global challenges. Focused specifically on Sustainable Development Goal (SDG) 8: Decent Work and Economic Growth, contributing to discussions and learning about strategies for fostering full and productive employment, and promoting sustainable livelihoods. Enhanced understanding of global economic issues and collaborative problem-solving.

HMSD Adyatama

3 months

Secretary 1 of Inspiraxpo & Refreshing with HMSD Adyatama

October 2024 - December 2024 (3 months)

South Lampung Regency, Lampung, Indonesia

- Managed administrative tasks, including drafting proposals and official correspondence, ensuring smooth event execution.
- Served as a core committee member alongside the Event Chair, Vice Chair, and Treasurer to design and oversee event operations.
- Coordinated Inspiraxpo, a competition and exhibition event engaging student participants.
- Organized Refreshing with HMSD Adyatama, an internal program aimed at strengthening team relationships among members.

Internal Department Harmony Division

October 2024 - November 2024 (2 months)

South Lampung Regency, Lampung, Indonesia

- Conducted interviews with class representatives to understand internal issues within the organization.
- Identified reasons for low participation in events and worked on actionable solutions to improve engagement.

- Collaborated with team members to develop strategies addressing internal challenges and fostering better communication within the student body.

HMSD Adyatama

Permanent Member & Cadre

August 2024 - August 2024 (1 month)

Successfully completed the official cadre formation and leadership training program to be appointed as a permanent member of the Data Science Student Association. During the program, I served as a group leader ("Bu Lurah"), coordinating and guiding fellow students through various activities.

Pemerintah Daerah Provinsi Lampung

Lampung Province Foreign Trade Administrative

July 2024 - July 2024 (1 month)

Lampung, Indonesia

Dinas Perindustrian dan Perdagangan Provinsi Lampung

Supported the Foreign Trade Division by collecting, entering, and verifying sales data in the RKA system, managed document organization and storage, and assisted in the Export Release Event at PT Pelindo Terminal Petikemas, ensuring smooth operations and compliance under the supervision of key officials.

Kementrian Pendidikan dan Kebudayaan

Outstanding Student & BNSP Certified Professional - Multimedia

February 2023 - May 2023 (4 months)

Kota Bandar Lampung, Lampung, Indonesia

- Recognized as the top-performing student in the multimedia department, showcasing outstanding academic achievement and dedication.
- Successfully achieved national certification (BNSP Certified) in multimedia, validating proficiency in essential multimedia skills and tools.

Rafli Ammar Residence

Graphic Designer

September 2022 - February 2023 (6 months)

Kota Bandar Lampung, Lampung, Indonesia

Oversaw daily office operations, designed over 25 detailed house plans using Corel Draw, collaborated with supervisors on layout improvements, and provided excellent customer service to enhance client relationships and satisfaction.

Undangan Galeri Maulana

Graphic Design & Office Operations

December 2021 - September 2022 (10 months)

Kota Bandar Lampung, Lampung, Indonesia

Designed a variety of graphic products, managed customer service to ensure high satisfaction, maintained office cleanliness, and handled administrative tasks to enhance operational efficiency.

Education

Institut Teknologi Sumatera

Bachelor in Data Science - BSc, Data Science · (August 2023 - August 2027)

SMKN 1 Bandar Lampung

Intermedia/Multimedia · (June 2021 - July 2023)