NABILA PUTRI RIHAN

081225047223 | rihannabila89@gmail.com | https://www.linkedin.com/in/nabilarhnn/
East Jakarta, Indonesia

Highly motivated freshgraduate with demonstrable skills in data processing and a passion for innovation in data science. Experience in data analysis, machine learning, and statistical modeling using Python, SQL, and Tableau positions me to contribute to your team's success. Proficient in handling large datasets, cleaning and preprocessing data, and building predictive models using libraries such as Pandas, Scikit-learn, and TensorFlow. Seeking an entry-level position to leverage my skills and gain valuable industry experience in data science and analytics.

Work Experiences

BRIN - Bandung   Sep 2024 - Jun 2025
Collaboration Capstone Design

- Worked in collaboration with the National Research and Innovation Agency (BRIN) to develop a desktop-based application for detecting nuclear leaks in the Bandung area. This project integrates real-time weather data analysis to enhance accuracy in identifying potential leaks and optimizing response measures.
- Developed a desktop application that processes and visualizes real-time weather data to detect nuclear leakage patterns.
- Compared multiple weather parameters to determine the most accurate indicators for nuclear leak detection.
- Integrated machine learning algorithms for predictive analysis and anomaly detection.
- Collaborated with a team of 3 people, ensuring timely completion of research milestones and software development phases.
- Designed and implemented an intuitive user interface for effective data visualization and usability.
- Managed project timelines and coordinated with BRIN researchers to align software capabilities with research needs.

BRIN - Bandung   Jun 2024 - Sep 2024
Internship

- Completed a three-month internship at the National Research and Innovation Agency (BRIN) as a Data Scientist, focusing on research-driven data analysis to support environmental and nuclear safety initiatives. This role involved leveraging machine learning techniques to enhance predictive modeling and anomaly detection in nuclear monitoring.
- Conducted research on data-driven approaches for detecting and analyzing nuclear-related anomalies.
- Developed predictive models using machine learning to analyze real-time weather data and its impact on radiation dispersion.
- Collaborated with a team of two (one colleague and a supervisor) to ensure research alignment with BRIN's objectives.
- Designed and implemented data pipelines for processing large-scale environmental datasets efficiently.
- Performed statistical analysis and feature engineering to improve model accuracy and reliability.
- Presented research findings and insights to BRIN researchers, contributing to ongoing nuclear safety studies.

Studocu - Indonesia   Jun 2021 - Jun 2022
Freelance Content Contributor

- During my time as a freelance contributor at StuDocu, I created and uploaded structured lecture notes in Computer Engineering, helping students worldwide to better prepare for exams and assignments. My contributions were recognized through StuDocu's Paid Uploads program, which provided compensation for high-quality submissions. This experience strengthened my skills in academic writing, knowledge sharing, and digital content creation.

Education Level

Universitas Telkom - Bandung   Sep 2021 - Aug 2025
Bachelor Computer Engineering

- Active Computer Engineering Student: Actively engaged in organizational activities while successfully managing academic responsibilities. Committed to personal and professional growth by participating in student associations, collaborating on various initiatives, and contributing to a dynamic campus environment. Consistently followed the full academic curriculum while developing leadership, teamwork, and problem-solving skills through organizational involvement.
- Member of Internal Relations Division, HMTK Telkom University: Actively contributed to strengthening internal communication and fostering a cohesive environment within the Computer Engineering Student Association (HMTK). Engaged in coordinating internal events, maintaining effective communication between members, and ensuring smooth collaboration across divisions to enhance organizational synergy.

SMA ABBS Surakarta - Surakarta   Apr 2018 - Jul 2021
High School Diploma Science

- Athlete, National 3-on-3 Airsoft Gun Competition: Achieved 3rd place in a national-level 3-on-3 Airsoft Gun tournament during high school, demonstrating strong teamwork, strategic thinking, and precision under pressure. Contributed to the team's success through

effective coordination and adaptability, showcasing dedication and sportsmanship in a competitive environment.

Organisational Experience

Overclock - Telkom University, Bandung   Oct 2023 - Oct 2025

Rules and Discipline Evaluation

Overclock is the official orientation program for Computer Engineering students, designed to instill discipline, teamwork, and academic preparedness. This year-long program required consistent oversight to ensure smooth execution.

- Served two consecutive terms as a committee member, contributing to the successful implementation of Overclock. Enforced regulations for both participants and committee members, ensuring adherence to the established guidelines throughout the event.Worked with a team of 10 members to develop and implement disciplinary policies that promoted order and fairness.Monitored and evaluated participant behavior, providing necessary feedback and corrective measures to maintain event integrity.Coordinated with other divisions to align disciplinary measures with the overall program objectives. Ensured a structured and well-disciplined environment, fostering a professional and respectful atmosphere for all participants.

Himpunan Mahasiswa Teknik Komputer (HMTK) - Telkom University, Bandung   Oct 2023 - Oct 2024

Relasi Internal - Secretary

Dedicated to strengthening internal communication and fostering collaboration among Computer Engineering students by ensuring seamless coordination and efficient documentation within the organization.

- Managed administrative tasks, including recording meeting minutes, organizing internal documentation, and maintaining division records. Coordinated with division members to successfully execute 5 projects within one term, ensuring timely completion and alignment with organizational goals. Facilitated internal communication between members and other divisions to enhance teamwork and organizational efficiency. Assisted in planning and executing engagement programs aimed at strengthening the bond among HMTK members. Ensured proper documentation of division activities and progress reports for organizational transparency and accountability.

CENTURION - Telkom University, Bandung   Oct 2023 - May 2024

Secretary

HMTK's annual birthday celebration featuring various competitions to enhance student engagement and community spirit.

- Drafted and compiled the official event proposal, ensuring detailed planning, budgeting, and strategic execution for the success of CENTURION. Prepared and finalized the event accountability report (LPJ), documenting all activities, financial reports, and key outcomes for future reference and evaluation. Coordinated administrative tasks, including scheduling meetings, recording minutes, and maintaining essential event documentation. Worked closely with the organizing committee to ensure smooth communication and alignment of responsibilities. Ensured compliance with organizational policies and university regulations regarding event execution and reporting.

PKKMB - Telkom University, Bandung   Aug 2023

Decoration

PKKMB (Pengenalan Kehidupan Kampus Mahasiswa Baru) is an annual event designed to introduce new students to campus life and academic culture.

- Designed and executed the event venue decoration, ensuring an engaging and welcoming atmosphere for new students.
- Collaborated with a team of four members to plan and implement creative decoration concepts aligned with the event theme.
- Managed the setup and arrangement of decorative elements across multiple event locations, ensuring a smooth visual presentation.
- Coordinated with other divisions to align decoration needs with event requirements, optimizing space utilization and aesthetics.
- Ensured all decorations were completed on time and met quality standards, contributing to a memorable experience for participants.

Skills, Achievements & Other Experience

- **Projects** (2024): Create a Converter App from TXT to CSV