

DEVAN RAMADHANA

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[Portfolio Website](#)

A visionary and detail-oriented fresh graduate in Telecommunication Engineering with strong expertise in data science, machine learning, and IoT. Experienced in developing predictive models and real-time monitoring systems using Python, C++, and data visualization tools like Tableau. Proven leadership and teamwork skills honed through academic and organizational roles. Actively seeking opportunities in technology consulting and data-driven decision-making roles to deliver impactful solutions.

EDUCATION

Telkom University

September 2021 – January 2025

Bachelor's degree in Telecommunication Engineering, In-Major GPA: 3.30 / 4.00

Thesis: The influence of water quality with Temperature, pH, and Turbidity parameters on catfish growth in Bandung Techno Park Pond using Machine Learning methods

WORK EXPERIENCE

Multimedia, Big Data, and Cybersecurity Laboratory

Dec 2022 – Jan 2025

Research Assistant – Big Data Divison

- Developed machine learning models for water quality analysis, leveraging Python for data preprocessing, feature engineering, and advanced predictive analytics.
- Created interactive dashboards using Tableau to visualize and communicate data-driven insights effectively.
- Participated in competitive data challenges, including JOINTS DATA COMPETITION and COMPFEST Data Analytics Dash, showcasing expertise in solving real-world business problems through data analysis.
- Collected review data on film series using web scraping techniques from IMDb and conducted sentiment analysis using NLTK to identify audience sentiment trends and patterns.

PROJECT

Innovillage 2023: "Goatguard"

Sep 2023 – Feb 2024

- Designed an IoT-enabled system integrated with machine learning to detect goat diseases early, using health parameters such as temperature, heart rate, and oxygen saturation.
- Developed IoT architecture, real-time data acquisition, and machine learning models to enhance livestock health management through actionable insights.

MyIpond: "A Water Quality Monitoring System for Catfish Ponds"

Sep 2024 – Dec 2024

- Designed an IoT-enabled system integrated with machine learning to detect goat diseases early, using health parameters such as temperature, heart rate, and oxygen saturation.
- Developed IoT architecture, real-time data acquisition, and machine learning models to enhance livestock health management through actionable insights.

ORGANIZATIONAL EXPERIENCE

Himpunan Mahasiswa Teknik Telekomunikasi

Sep 2024 – Jan 2025

Vice President

- Supervised 5 departments under the Ministries of Science and External Affairs, ensuring effective operation and collaboration among 60 members.
- Acted as a liaison between the organization and the academic program department, fostering partnerships and facilitating project execution.

Perhimpunan Penjelajah Alam Jamadagni

Feb 2023 – Apr 2024

Head of Pendidikan Lanjutan 46

- Designed and executed educational programs for junior members, ensuring smooth implementation and evaluation of training outcomes.

SKILLS

Office Productivity	Microsoft Office	Advanced
Data Science	Machine Learning, Data Preprocessing, Feature Engineering, Data Cleaning	Advanced
Programming	Python, C++, C	Advanced
Internet of Things	System design, Real-time Data Monitoring	Intermediate
Data Visualization	Tableau	Intermediate

LANGUAGES

Indonesia: Native proficiency

English: Intermediate