

NAUVAL YUSRIYA ATHALLA

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ABOUT ME

I am an Information Technology undergraduate at Telkom University with a specialized focus on Machine Learning and Data Engineering driven by the mission to build high impact technology for social good. I have extensive experience developing ML models across diverse data structures including vision language tasks, signal, and time series data while managing robust Data Engineering and MLOps pipelines using Airbyte, Apache Spark, Kafka, Docker, and Kubernetes. My proficiency extends to Cloud architectures specifically Google Cloud Platform tools like BigQuery, Dataflow, and Dataproc as well as AWS S3. A proven competitor in the national tech circuit, I earned a 1st place in Hackfest 2026 Code for Humanity, demonstrating my ability to translate complex technical stacks into practical and scalable solutions.

ORGANIZATIONAL EXPERIENCE

Vice Lead

Feb 2026 – Now

Digistar Club Campus Chapter, Telkom University, Bandung

- Act as the primary liaison between the Telkom University Campus Chapter and the central Digistar Club by Telkom Indonesia, ensuring effective implementation of national policies and programs at the campus level.
- Directing a core team of 30+ members, overseeing organizational operations, and ensuring alignment between university initiatives and Telkom Indonesia's national digital roadmap.
- Spearheading the execution of major campus events, successfully engaging over 500+ participants through high-impact workshops.

Executive Assistant Secretary

Aug 2025 – Feb 2026

Digistar Club by Telkom Indonesia, Bandung

- Coordinated the planning of over 5 internal and external club activities with a total of more than 300 participants.
- Served as a communication link between 20+ active board members and 5 external partners to ensure effective and timely coordination.
- Prepared accountability reports and digitally archived all activity documents to facilitate team transparency and access.

Fundraising Officer

2025

Java Business Competition, Telkom University

- Leveraged market research and historical data analysis to identify and segment 20+ high-potential corporate leads, resulting in more targeted and effective partnership outreach.
- Managed end-to-end negotiations with external corporations by presenting data-backed value propositions, focusing on brand exposure metrics and ROI to secure funding for national-level business competitions.

WORK EXPERIENCE

IoT Laboratory Assistant

Mar 2025 – Now

IoT Laboratory, Telkom University, Bandung

- Mentored students in developing AIoT projects, including the deployment of AI models to edge devices such as ESP32 and Arduino.
- Developed practicum modules to help students understand the end-to-end integration of AI technology with IoT devices.

AWARDS & ACHIEVEMENTS

1st Place <i>Hackfest 2026 : Code for Humanity</i>	2026
1st Place <i>Refactory Hackathon x UGM</i>	2026
1st Place <i>Adikara 2025 - Innovation</i>	2025
Finalis - Hackathon <i>Arkavidia 10.0 ITB 2026</i>	2026
Top 50 National <i>Innovillage 2025</i>	2025
Top 10 Finalist – Business Plan Competition <i>Begin 2.0 - Universitas Surabaya</i>	2025
Internal University Selection Awardee <i>Gemastik 2025</i>	2025

EDUCATION

Bachelor of Information Technology <i>Telkom University, Bandung IPK: 3.74</i>	<i>Sep 2023 – Now</i>
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SKILLS &

Research Interests: Multimodal Learning, Computer Vision, NLP, Time Series, Graph Neural Networks, Spatial Analysis, Social Network Analysis, Tabular Data.

Machine Learning & AI Stack: PyTorch, TensorFlow, Hugging Face, Scikit-Learn, XGBoost, LightGBM, CatBoost, NumPy, NiaPy, PyTorch Frame, LangChain, LlamaIndex, Groq, NLTK, Spello.

Computer Vision & Time Series: OpenCV, Pillow, Scikit-Image, Ultralytics, DeepLab, Roboflow (Sports & Tracking), Nixtla, Sktime, Darts, GluonTS, Torch Geometric Temporal.

Data Engineering: Airbyte, Google Datastream, Flink CDC, Debezium, Kafka, Elasticsearch, Apache Airflow, Hadoop, Spark, Apache Beam, Flink, dbt, DuckDB, Ibis.

Data Storage & Cloud: MySQL, PostgreSQL, Google BigQuery, Google Cloud Storage (GCS), AWS S3.

Data Analysis & Visualization: Tableau, Power BI, Looker, Ms. Excel, Google Sheets, Pandas, Polars, Gephi, Google Earth Engine, QGIS, Geopandas, Folium.

MLOps & Backend: Docker, Kubernetes, TensorFlow Serving, TorchServe, LitServe, FastAPI.

Soft Skills: Leadership, Project Management, Communication, Collaboration, Problem Solving, Critical Thinking, Emotional Intelligence.