

FACHRY SYIFA ANANDA

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Final-year Physics student at Universitas Indonesia with a strong interest in data science, particularly in machine learning and computer vision. Experienced in Python, data analysis, and model development through Bangkit Academy and academic projects. Passionate about applying data-driven solutions to realworld challenges and contributing to collaborative, growth-oriented environments.

EDUCATION

UNIVERSITAS INDONESIA

Jun 2021 – 2026 (Expected)

Physics, Faculty of Mathematics and Natural Sciences

- CGPA 3.24 out of 4.00
- Undergraduate thesis: Rainfall Estimation Using Surveillance Camera Images Under Diverse Spatial Conditions Based on Hybrid CNN.
- Relevant coursework: Artificial Intelligence, Computational Physics, Embedded Systems, Digital Signal Processing, Instrumentation Systems.

PROFESSIONAL EXPERIENCE

PROJECT-BASED INTERNSHIP — Big Data Analytics

Aug 2025 – Present

Kimia Farma

- Currently participating in a project-based internship focusing on Big Data Analytics, involving weekly tasks, training modules, and a final capstone project in collaboration with Kimia Farma.

DATA SCIENCE STUDENT

Mar 2025 – Aug 2025

Digital Skola

- Created comprehensive summaries of data science fundamentals, covering concepts such as modeling, evaluation, and deployment to build a strong theoretical foundation and understanding of the data scientist's role in industry.
- Learned and applied technical skills including SQL, Python programming, statistical analysis, data visualization, and machine learning (classification, regression, clustering), resulting in hands-on experience with end-to-end data workflows.

DIGITAL ELECTRONICS LABORATORY ASSISTANT

Sep 2024 – Dec 2024

Universitas Indonesia

- Improved digital electronics lab sessions by revising outdated modules and troubleshooting issues in logic circuit experiments, enhancing learning clarity for third-semester students.
- Assessed weekly pretests, lab reports, and final projects using digital trainers and FPGA simulations, ensuring consistency and academic rigor across evaluations.

MACHINE LEARNING COHORT

Feb 2024 – Jul 2024

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

- Completed over 900 hours of training in machine learning and data science through the Bangkit Academy program, mastering tools such as Python, TensorFlow, and scikit-learn to build, evaluate, and deploy ML models.
- Completed a capstone project within a team to develop a mental health application utilizing NLP to predict user mood.
- Strengthened soft skills including project management, critical thinking, and professional communication through intensive career development sessions, contributing to greater team collaboration and readiness for industry roles.

FREELANCE SUBTITLER

Jun 2021 – Nov 2023

Sea Today

- Translated and subtitled over 10 episodes of the show *Ngonten* (~50 minutes each) from Indonesian to English, ensuring accurate, clear, and culturally appropriate communication for international audiences.

ORGANIZATIONAL EXPERIENCE

STAFF OF COMPETITION

Mar 2023 – Nov 2023

Pesta Rakyat Fisika UI XII

- Created over 60 physics questions for a junior high school quiz competition, applying subject expertise and question design skills to ensure clarity, accuracy, and appropriate difficulty levels.
- Coordinated on-site competition supervision with fellow staff members, ensuring smooth event execution and adherence to rules and safety protocols.

STAFF OF THE ART DEPARTMENT

Apr 2022 – Feb 2023

Himpunan Mahasiswa Departemen Fisika UI

- Represented the Public Relations division for the "Art After December Class" event under the Board of Executive Directors, contributing to event promotion and stakeholder communication.
- Designed formal Instagram feed content for the event, collaborating with team members to ensure cohesive visual branding and audience engagement.

STAFF OF PUBLIC RELATIONS, PUBLICATION, DECORATION, AND DOCUMENTATION

Jun 2022 – Oct 2022

Pengenalan Departemen Fisika UI

- Designed event materials including social media feeds, participant cards, and other visual assets, ensuring consistency and alignment with the event's branding goals.
- Collaborated with team members to evaluate design options and implement the most effective and efficient visual concepts for event execution.

SKILLS

Technical Skills: Python, SQL, NumPy, Scikit-learn, TensorFlow, PyTorch, Machine Learning, Deep Learning, Computer Vision, Matplotlib, Tableau, Looker Studio, Statistics, Data Visualization, Microsoft Excel, PowerPoint, OpenCV, Flask, HTML, CSS, Figma

Soft Skills: Problem-Solving, Critical Thinking, Analytical Mindset, Adaptability, Team Collaboration, Communication, Continuous Learning

Certifications: TensorFlow: Data and Deployment Specialization, DeepLearning.AI TensorFlow Developer Specialization, Machine Learning Specialization, Mathematics for Machine Learning and Data Science Specialization

Languages: English (Professional Working Proficiency), Bahasa Indonesia (Native)