ANTHONY EDBERT FERIYANTO

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Self-driven and detail-oriented recent graduate with a bachelor's degree in computer science and hands-on experience in machine learning, software development, and data analysis. Skilled in leveraging advanced technologies such as TensorFlow, Next.js, and React to create innovative solutions. Proficient in Python, Java, and JavaScript, with a solid foundation in data mining and software engineering principles. Eager to explore career opportunities in Business Intelligence, Data Science, Quality Assurance Engineering, and Software Engineering to contribute to impactful projects through data-driven insights and quality assurance practices.

KEY SKILLS

Technical	: Machine Learning, Deep Learning, Data Mining, Software Engineering, Accounting, Project Management
Programming	: Python, Java, Javascript, Typescript, Dart, SQL, Golang, C++
Frameworks	: TensorFlow, Django, Node.js, Next.js, React, SpringBoot, Flutter, Bootstrap 5, Nest.js, Streamlit
Soft Skills	: Effective Time Management, Leadership and Teamwork, Strong Analytical Skills
Languages	: Indonesian (Native speaker), English (EPT: 640/677, Proficient speaker)

FORMAL EDUCATION

Bachelor of Computer Science, cGPA: 4.00/4.00   Aug 2023 – Feb 2027 (Expected)
Universitas Indonesia – Depok, Indonesia
- **Relevant Courses**: Introduction to AI & Data Science, Image Processing, Semantic Web, Data Mining, Database, Software Engineering, Spoken Language Processing

PROFESSIONAL EXPERIENCES

Member of Data Science & AI SIG   Jan 2025 – Present
RISTEK Fasilkom UI – South Jakarta, Indonesia
- Served as a problem setter for Datathon 2025 events, designing real-world inspired challenges and datasets.
- Skilled in Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP), and Reinforcement Learning.
- Developed a predictive model to estimate Estimated Time of Arrival (ETA) for the main transportation system within the University of Indonesia campus, utilizing historical data and predictive algorithms.

Full Stack Developer (Internship)   Jun 2025 – Present
PT Fungsitama Cipta Teknologi – Remote
- To accelerate the development process and maintain a clean, scalable architecture, we use a fullstack boilerplate that integrates Next.js (for the frontend and server-side rendering) with Node.js (as the backend API layer). This boilerplate provides a solid foundation for building modular ERP (Enterprise Resource Planning) systems

Teaching Assistant of Data Structure & Algorithm,   Jan 2024 – Aug 2025
Statistic & Probability, Calculus 1,
University of Indonesia – South Jakarta, Indonesia
- Designed programming assignments as a problem setter covering key topics such as data structures, dynamic programming, trees, linked lists, and hashing.
- Designed and delivered lab sessions on probability theory, covering topics such as Naive Bayes, probability distributions, and expected value.
- Guided students in implementing statistical concepts using Python libraries such as NumPy, SciPy, and Matplotlib.

Data Scientist (Internship)   Jan 2025 – Mar 2025
Bukit Vista – Remote
- Utilized Slack as a primary communication and collaboration tool with cross-functional teams.
- Developed a predictive pricing model to optimize property rental rates based on factors such as location, seasonality, and historical booking data.
- Conducted data preprocessing, feature engineering, and model evaluation to ensure accurate and robust predictions.

Data Scientist Member   Jan 2023 – Present
Google Developer Universitas Indonesia Student Club – South Jakarta, Indonesia
- Grow my knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.

Mobile Developer (Internship)   Jun 2023 – Aug 2023

PT Indonesia Satu Tujuh – South Jakarta, Indonesia

- Developed a responsive web application using Flutter, applying the BLoC (Business Logic Component) pattern to effectively separate presentation and business logic, ensuring maintainability and scalability.
- Collaborated with team members to implement agile methodologies, enhancing project delivery timelines and team productivity.
- Developed mini apps and demo applications for features such as MVI call integration and conducted testing and contributed to the development of the "Ayo Lari" fitness application.
- Built a mobile application that connected to a web-based game platform called Judgeme, enabling seamless user interaction across platforms.

Software Engineer (Internship)   Sep 2023 – Nov 2023

BEM, Faculty of Computer Science, University of Indonesia – South Jakarta, Indonesia

- Collaborated seamlessly with the creative team to strategize, develop, and launch engaging web pages across the organization's website.

Staff of Data Science Academy   Feb 2024 – Dec 2024

COMPFEST 16 – South Jakarta, Indonesia

- Reached out to potential mentors from various companies to participate in events and programs, strengthening industry-academic collaboration.

Human Resources & Event's Expert Staff   Aug 2023 – Nov 2023

Open House FASILKOM UI – South Jakarta, Indonesia

- Guided and managed a dynamic team of 11 in the Event Division, steering the ship for the successful execution of Open House Fasilkom UI.

Staff of Business Competition   Aug 2023 – Nov 2023

UI Talks – Depok, Indonesia

- Spearheaded the meticulous coordination of over 50 candidates for the national business plan competition, demonstrating adept organizational skills and ensuring a stellar showcase of entrepreneurial talent.

AWARDS

1st Winner of International Data Science FIT Competition, Universitas Kristen Satya Wacana (2025)

- Developed a weather image segmentation system using U-Net combined with traditional post-processing techniques. Implemented a CNN-based classification model enhanced with knowledge distillation for improved efficiency and accuracy.

2nd Winner of Open the Gate Hackathon, BSS Parking (2025)

- I developed a parking monitoring dashboard system integrated with a custom gate device powered by Raspberry Pi. The system uses a YOLO-based model for real-time license plate detection to automate vehicle entry and exit.

6th Winner of Datavidia Competition, Arkavidia 9.0 (2025)

- Built a Mixture-of-Experts ensemble that outperformed 300+ teams in Airbnb hotel price prediction by leveraging specialized sub-models and engineered text features.

4th Winner of Machine Learning Competition, Data Slayer 2.0 (2025)

- Triumphed over 220+ teams by developing an advanced human fall detection system that combined temporal and non-temporal approaches through a hybrid ensemble of LightGBM and ResNet.

Best Web Project Award in PBP Course & Copyright Holder of a Monolithic Django-Based Application (2024)

- Recognized as the best web project in the Perancangan dan Pemrograman Berbasis Platform (PBP) course for developing a fully functional monolithic web application using the Django framework.

4th Winner and Best Presentation of Dataquest 3.0, Airnology 3.0 (2024)

- Overcame 80+ teams by developing a predictive model using a CPU-based CatBoost framework. I was tasked with building and refining a model to classify network traffic types. The model was designed to handle large and diverse traffic datasets, identify suspicious patterns, and accurately predict traffic categories.

4th Winner of Final Round Datathon 2024, RISTEK Datathon 2024 (2024)

- Leveraged ColBERT to achieve an MRR of 0.97, enabling precise product matching by usage, brand context, and bundling to enhance e-commerce search.

3rd Winner of Machine Learning Competition, Data Slayer 1.0 (2023)
- Outperformed 120+ teams by developing a custom deep learning architecture within a multi-layer stacking ensemble to accurately estimate CO_2 vehicle emissions in Indonesia.

3rd Winner of Pekan RISTEK Data Competition 2023 (2023)
- Outperformed 30+ teams by using CatBoost with custom weighting on the "Type" feature to accurately predict Indonesian car prices.

PROJECT EXPERIENCES

BaKu Website (2025)
- I developed a secure web platform for centralized library book borrowing and online reading, eliminating the need for physical visits.

SIZOPI Website (2025)
- I designed and developed a centralized zoo management system in PostgreSQL—leveraging triggers, stored procedures, and advanced queries—to ensure efficient data handling and operational support.

Anthony's Portfolio Website (2025)
- I built a dynamic website showcasing my experiences and projects, and I'm updating its desktop-optimized design to be fully responsive across devices.

JakEt - Jakarta Gadget Web (2024)
- I developed JakEt, a platform that helps South Jakarta residents find reliable, high-quality gadgets within their budget—providing optimal specifications for a safer, more convenient digital experience.

OCR System to Predict The Percentage of Valid Votes (2024)
- I implemented a system using Tesseract OCR to automatically count election papers, enhancing both accuracy and efficiency.

Prediction Model for Electric Vehicle Problems in Washington, United States of America (2023)
- I built a project using a Data.gov dataset to predict the number of electric vehicle users in Washington State.

Clustering Model for Flood Problems in Jakarta, Indonesia (2023)
- I used K-Means clustering to compare flood management effectiveness in DKI Jakarta between 2015–2017 and 2018–2020, marking my first foray into data science.

CERTIFICATES

Certificate in Creative Writing May 2024
Udemy – Online

English Proficency Test, Score: 640/677 Nov 2023
Lembaga Bahasa Internasional LBI FIB UI – South Jakarta, Indonesia

Software Engineering Fundamental Course Apr 2023
RevoU – Online

Data Cleaning, Intro to Machine Learning, Intro to Programming, Pandas Aug 2024
Kaggle – Online