




Rifky Setiawan

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SUMMARY

Rifky Setiawan is a Bachelor of Computer Science student at Universitas Gadjah Mada with a deep passion for machine learning, artificial intelligence, and software engineering. Through active participation in organizational and volunteer activities, Rifky has honed both technical and interpersonal skills that extend beyond academic excellence. Focused on integrating business, technology, and data analytics, he is committed to delivering impactful innovations and practical solutions to real-world challenges.

Education

Universitas Gadjah Mada

Yogyakarta, Indonesia

Bachelor of Computer Science, GPA: 3.53/4.0

Expected Graduation: August 2027

- **1st Runner Up**, Contest of Wits – Festival Karakter 2023, Universitas Gadjah Mada
- **7th Place**, Data Science – Gerakan Belajar Bersama Sains Data 2023, Universitas Pembangunan Nasional 'Veteran' Jawa Timur
- **Top 10 Finalist**, Data Mining – Universitas Gadjah Mada, Pagelaran Mahasiswa Nasional Bidang Teknologi Informasi dan Komunikasi 2024

Relevant Coursework: Artificial Intelligence, Machine Learning, Digital Image Processing, Pattern Recognition

Work Experience

Intelligo ID

Indonesia

Data Science Class Manager

Feb 2024 – Present

- Led 3 trial data science classes (150+ participants), developed 2 tailored PPT presentations to enhance engagement. Collaborated with product managers to refine 4 course offerings, achieving 45% conversion rate to paid bootcamps through feedback-driven iterations.
- Spearheaded a 4-month data science bootcamp (30 sessions, 20 participants), managing attendance, mentor-participant coordination, and personalized learning workflows. Maintained 85% session attendance and improved participant satisfaction by 15% via structured feedback loops and adaptive class management.

Vinix7

Indonesia

Junior Data Scientist

Feb 2024 - Present

- Cleaned/structured 10+ datasets (CSV, SQL) using Python (Pandas), resolving 15% missing values and outliers, reducing preprocessing time by 15% while improving data consistency for EDA
- Performed EDA (Matplotlib/Seaborn) and hypothesis testing (t-test, chi-square), uncovering 5+ actionable insights on customer trends, later validated for stakeholder decisions.

Home Credit Indonesia

Indonesia

Data Scientist Project-Based Virtual Intern

Dec 2024 – Jan 2025

- Improved machine learning ROC-AUC scores by over 60% despite imbalanced target data, using Python programming and building two distinct predictive models.
- Gained fundamental knowledge of big data and relational database concepts, demonstrated through SQL querying, data manipulation, and exploration of Hadoop ecosystems for large-scale data processing.

Leadership Experience

Komunitas Mahasiswa Teknologi Informasi dan Komunikasi Universitas Gadjah Mada

Yogyakarta, Indonesia

Vice Head of Data Mining & Artificial Intelligence Division

Oct 2024 – Present

- Selected as one of 10 UGM finalists in the national Gemastik Data Mining competition, competing against 200+ teams from various universities.
- Collaborated with two external organizations and coordinated with three lecturers to organize two workshops and one open training session.

Batam Campus Expo 2025

Yogyakarta & Riau Islands, Indonesia

Founder & General Coordinator

Sep 2024 – Jan 2025

- Organized Indonesia’s largest and first campus expo, attracting over 1,000 participants and partnering with 12 universities, 70 high schools, and 20 student organizations.
- Ensured seamless event execution by leading a team of 138 staff across nine divisions, managing all operational aspects.

Awak Gadjah Mada

Yogyakarta, Indonesia

Chairman

Mar 2024 – Dec 2024

- Developed and implemented five work programs involving 36 members, increasing member participation in organizational activities by 40%.
- Collaborated with three external stakeholders to ensure program sustainability, resulting in a 25% increase in funding support for organizational activities.

StudentsxCeos Yogyakarta

Yogyakarta, Indonesia

Operations Staff

Mar 2024 – Nov 2024

- Led "School of Ideas" event (2 speakers, 50 participants), achieving 90% attendance and 85% positive feedback via team collaboration.
- Coordinated 30+ media partners, expanding outreach to 100+ potential applicants , and managed 48 business case submissions with 2 judges, resulting in 5 qualified teams for final evaluation.

Projects

Queue Time Prediction with Gradient Boosting to Improve Healthcare Services

Link

- Developed a predictive model using Gradient Boosting, achieving a mean absolute error of 7.397 minutes by analyzing 81,536 patient medical records.
- Enhanced patient waiting time efficiency through accurate queue time predictions, enabling better visit planning and improved healthcare service convenience.

Machine Learning Analysis: Public Sentiment on Tuition Fee Increases on X Platform

Link

- Classified public sentiment on tuition fee increases by analyzing 2,149 tweets using the K-Nearest Neighbors algorithm and TF-IDF techniques, achieving an F1 macro score of 0.40 on the test dataset.
- Provided strategic insights for tuition policy formulation through societal perception analysis to support fairer and more responsive policies.

Image Classification Image Website

Link

- Developed an image classification platform using Django 4, DRF 3, Next.js 12, and Material UI 5 with Inception-ResNet-v2, achieving 90% accuracy on 3,200 images and reducing review time by 35%.
- Enhanced user experience and efficiency by implementing a responsive drag-and-drop interface for image uploads, reducing processing time by 30% and streamlining data management through robust API integration.

Books Management Application

Link

- Developed a web-based platform with a RESTful API for CRUD operations, streamlining the management of book collections and supporting up to 1,000 entries.
- Enhanced user accessibility by building an interactive front-end using React, reducing API testing dependency on tools like Postman and improving responsiveness by 20%.

Skills

Soft Skills: Leadership, Critical Thinking, Time Management, Problem Solving, Adaptability, Communication

Programming Languages: Python, SQL, Java, C, JavaScript, PHP

Developer Tools: PowerBI, Git, Docker, AWS, Hadoop

Libraries/Frameworks: Tensorflow, spaCy, Flask, Django, NextJS, Laravel