

# Rizky Syah Gumelar

📍 Semarang, Central Java, Indonesia 📧 rizkysyah73@gmail.com 📞 (62)83866985116 📱 in/rizky-syah-gumelar 🌐 github.com/rizky-gumelar

## SUMMARY

Rizky Syah Gumelar, commonly known as Rizky, is a 21-year-old third-year undergraduate student at the Faculty of Computer Science, Dian Nuswantoro University, majoring in Informatics Engineering. With a focus on intelligent systems, Rizky has developed a keen interest in **data analysis, machine learning, and artificial intelligence**.

Rizky actively participates in various organizations, contributing to a dynamic learning and working environment. He has completed the **Machine Learning cohort** at **Bangkit Academy 2024**, where he honed his skills and expanded his knowledge in this exciting field. As the **Head of Science and Technology Development** at **HM-TI UDINUS**, Rizky leads, motivates, manages, and develops teams, showcasing his leadership and management capabilities.

## EDUCATION

### Bachelor of Informatics in Computer Science

Universitas Dian Nuswantoro • Semarang, Central Java • 2025 • 3.92

## EXPERIENCE

### Indosat Data Analyst Intern

Indosat Ooredoo Hutchison

September 2024 – November 2024, Semarang

- **Gained hands-on experience:** Learned machine learning algorithms with TensorFlow and Google Colab through practical exercises.
- **Team project development:** Built a final machine learning project using Agile methodologies and weekly mentorship.
- **Mentoring sessions:** Engaged with industry experts, discussing challenges and enhancing project outcomes through feedback.

### IT Intern

Badan Pusat Statistik Kota Semarang

June 2024 – July 2024, Semarang

- **Gained hands-on experience:** Learned machine learning algorithms with TensorFlow and Google Colab through practical exercises.
- **Team project development:** Built a final machine learning project using Agile methodologies and weekly mentorship.
- **Mentoring sessions:** Engaged with industry experts, discussing challenges and enhancing project outcomes through feedback.

### Machine Learning Cohort

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

February 2024 – June 2024, Online

- **Gained hands-on experience:** Learned machine learning algorithms with TensorFlow and Google Colab through practical exercises.
- **Team project development:** Built a final machine learning project using Agile methodologies and weekly mentorship.
- **Mentoring sessions:** Engaged with industry experts, discussing challenges and enhancing project outcomes through feedback.

## ORGANIZATION

### Head of Science and Technology Development

Himpunan Mahasiswa Teknik Informatika UDINUS

June 2023 - July 2024, Semarang

- Developed and maintained **6+ websites** simultaneously, ensuring optimal functionality and user experience.
- Led a team of **30+ members** in the field of programming, fostering a collaborative environment and developing their technical skills.
- Developed expertise in the field of programming and imparted knowledge to all members, resulting in a more efficient and productive team.

### Head of Creative Media Division

Google Developer Student Clubs UDINUS

August 2023 - August 2024, Semarang

- **Managed all design and event documentation** to ensure timely and accurate completion.
- **Led and coordinated the creative team** in designing and producing media content, resulting in a 30% increase in engagement rates.
- **Mentored and trained** junior UI/UX designers, resulting in a **50% improvement in UI/UX design quality and mastery tools**.

## PROJECTS

### Indosat Market Competition Landscape Apps

<https://github.com/hendsuuu/Competition-Landscape-Filament> • September 2024 - November 2024

### Website IKM (Izin Keluar Masuk) BPS Kota Semarang

<https://github.com/Rayhandro/BPS-Kota-Semarang> • June 2024 - July 2024

### BerUang – Finance Management Apps

<https://github.com/orgs/berUang-Capstone/> • April 2024 - June 2024

### Bokeh/Blur Detection Flask App

[github.com/rizky-gumelar/Blur-Detection](https://github.com/rizky-gumelar/Blur-Detection) • February 2024 - March 2024

### Proyek Analisis Data [Air Quality]

Dicoding • [github.com/rizky-gumelar/analisis\\_data\\_air\\_quality](https://github.com/rizky-gumelar/analisis_data_air_quality) • February 2024 - March 2024

### Comparison of N-Heterocyclic Corrosion Inhibitor with Machine Learning and Deep Learning

[github.com/rizky-gumelar/Comparison-of-ML-and-DL-in-Corrosion-Inhibitor](https://github.com/rizky-gumelar/Comparison-of-ML-and-DL-in-Corrosion-Inhibitor) • January 2024

### Inhibitor Corrosion Prediction App

[github.com/rizky-gumelar/predTest](https://github.com/rizky-gumelar/predTest) • November 2023 - November 2023

- **Developed a user-friendly interface** that allows users to interact with the app easily.
- **Integrated machine learning models** to enable accurate predictions.

### Encrypted QR App with Vigenere Cipher

[github.com/rizky-gumelar/Encrypted\\_QR\\_Vigenere](https://github.com/rizky-gumelar/Encrypted_QR_Vigenere) • September 2022 - October 2022

- **Developed a secret messaging application** using QR Code and Vigenere cipher, which allowed users to securely exchange messages.
- Published research results of "[Testing Data Security Using a Vigenere Cipher Based on the QR Code](#)" journal on Kinetik, and received a **Sinta 2 accreditation** as a result.

## CERTIFICATIONS

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### Advanced Computer Vision with TensorFlow

DeepLearning.AI • [credential](#) • 2024

### Machine Learning Specialization

DeepLearning.AI, Stanford University • [credential](#) • 2024

### Mathematics for Machine Learning and Data Science Specialization

DeepLearning.AI • [credential](#) • 2024

### Using Python to Interact with the Operating System

Google • [credential](#) • 2024

## SKILLS

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**Data Analyst and ML:** Python, Power BI, Ms. Excel, Matlab, SQL, Flask, Streamlit, Google Colab, Tensorflow, BigQuery, Tableau

**Soft Skills:** Leadership, Team Management, Communication, Problem Solving

**Other:** Math (Algebra, Calculus, Probability & Statistics), JavaScript, Java, C, C++, PHP, Laravel