

Rizky Ramadhan Sudjarmono

[🌐 rizr09](#) | [🌐 rizr09](#) | [✉ rizky21001@mail.unpad.ac.id](mailto:rizky21001@mail.unpad.ac.id)
[🌐 portfolio-rizr09.vercel.app](#) | [📧 rizr09.medium.com](#)

SUMMARY

As a junior Computer Science student at Padjadjaran University in Bandung, I am passionate about data science, time series forecasting, and automation. I have gained practical experience in utilizing Python, SQL, and Tableau. Additionally, I am proficient in project management and teaching, as demonstrated by my current role as a teaching assistant coordinator. I am eager to apply my knowledge and skills in a real-world setting where I can make a positive impact and grow as an IT professional.

EDUCATION

2021 - Present Bachelor of Computer Science at **Padjadjaran University** (GPA: 3.94/4.0)
Subspecialist: Artificial Intelligence
2018 - 2021 Science Major at **SMA Negeri 3 Bandung** (Grades: 87.21/100)

EXPERIENCES

IT Consultant at Centre for Communication, Media and Culture Studies Unpad May 2024 - Present

- Develops a web scraping tool for news portals and social media for content analysis needs.
- Data collected from articles on Kompas.com, CNNIndonesia.com, Detik.com, and TribunNews.com, as well as from social media platforms including TikTok, X, YouTube, and Instagram.
- Utilizes Googlesearch, RegEx, and BeautifulSoup Python libraries in the development process.
- Provides training on the use of web scraping tools to study center members.

Teaching Assistant at Teknik Informatika Unpad Feb 2023 - Present

- Formulates and delivers two-hour lectures each week, assesses students' knowledge through weekly assignments, and assists students with technical and professional questions outside of class time. In total, I've taught about 129 students in 4 courses.
- Courses I teach/have taught:
 - Data Structures (Twice) March 2023 - June 2024
 - Artificial Intelligence March - June 2024
 - Algorithms & Programming August - December 2023
 - Object-Oriented Programming August - December 2023

Machine Learning Cohort at Bangkit Academy led by Google, GoTo, & Traveloka Aug 2023 - Jan 2024

- Successfully finished 24 courses on Coursera, covering topics including Python, Data Science, Mathematics, Machine Learning, Tensorflow, and Model Deployment, with 4 specializations.
- Participated in 7 sessions of instructor-led training in machine learning, 7 sessions on soft skills, and 3 sessions on improving English language proficiency.
- Took a part in the development of a product-based capstone project called **Dentalify**, in which we developed a machine learning model using Xception to detect 6 dental and 7 oral diseases with 80% accuracy followed by 76% validation accuracy.
- **Graduated with distinction**, achieving an overall score of 96.79 and maintaining 100% attendance.

PROJECTS

Data Analysis Adventure

2024

- Demonstrated data analysis skills using a Kaggle dataset by defining key research questions and cleaning the data accordingly.
- Conducted an in-depth analysis of the data, then answer the results and visualized the data.
- Based on the questions and analysis that had been made, the content was put into an article and uploaded on medium.com

Music Recommendation System Using TOPSIS

2023

- Created a song recommendation site using Streamlit that suggests the top 15 songs in four languages (English, Indonesian, Japanese, and Korean)
- Utilizes a dataset of 2266 songs and employs TOPSIS to filter songs based on user preferences.
- Available filtering features include acousticness, danceability, energy, instrumentalness, liveness, loudness, speechiness, tempo, and valence.

Analysis of Twitter Tweets About Online Learning Models Using K-Means Algorithm and Lexicon-Based Method

2023

- Built a scraper to retrieve data from Twitter and cleaned the tweets using Python and RapidMiner.
- Classified the tweets using a lexicon-based method and clustered them with the K-Means algorithm.
- Compiled the analysis results into a technical report for Gemastik XVI.

PUBLICATION

Sudjarmono, Rizky Ramadhan et al. (Apr. 2024). "Analisis Relasi Data Support dan Demand Bahasa Pemrograman di Indonesia". In: *INTECOMS: Journal of Information Technology and Computer Science* 7.2, pp. 419–432. URL: <https://doi.org/10.31539/intecom.v7i2.9443>.

SKILLS & OTHER EXPERIENCES

Programming Languages	Python, SQL, Bash, JavaScript, C++
Tools & Libraries	L ^A T _E X, Tableau, RapidMiner, Orange, UIPath Studio, BigQuery, SQL Server, MySQL, Trello, TensorFlow, PyTorch, Pandas, NumPy, SciPy, Scikit-Learn, Matplotlib, Seaborn, Statsmodels, BeautifulSoup, spaCy, NLTK, XGBoost, CatBoost, OpenCV, Gradio, Streamlit
Certificate of Specializations	Mathematics for Machine Learning and Data Science Machine Learning DeepLearning.AI TensorFlow Developer TensorFlow: Data and Deployment
Languages	English (Scored 540 in the English Language Test by Pusat Bahasa Unpad) Bahasa Indonesia

VOLUNTEERING

IT Development Department Staff at Himatif FMIPA Unpad

Jan - Nov 2022

Facilitated the development of hard skills for the members, aided them in the preparation of informatics competitions, and supervised 3 student clubs under the umbrella of my student association.