

DATA SCIENTIST APPLICATION

KEMAL CRISANNAUFAL

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Perumahan Korpri Indah Blok A No 6 Jatinangor, Sumedang, Jawa Barat.

HR Manager

Nodeflair

Wisma Millenia Lt. 7 Jl. MT Haryono Kav. 16 Jakarta 12810

Dear HR Manager,

My name is Kemal Crisannaufal, and I'm writing to express my strong interest in the Data Scientist position at Nodeflair listed on Jobstreet. My experience in data processing and developing machine learning models gives me confidence in my ability to make positive contributions to your company.

I will finish my Computer Science studies at Telkom University in 2025. During my studies, I developed a solid foundation in machine learning and programming with Python. I have been involved in numerous courses college projects, creating machine learning models with Numpy, Pandas, Scikit Learn, and Tensorflow. I have a good understanding of various machine learning algorithms including K-NN, Naïve Bayes, SVM, and Decision Forest. My practical experience with this library and algorithms has been applied in several courses projects, positioning me to contribute to your company in predictive modelling and data analysis.

In addition to my programming skills, I possess a strong knowledge of SQL and Object-Oriented Programming. In my past working, I had experience in building applications using object oriented programming and SQL to query and process data, as well as to create, read, update, and delete procedures in databases. With a solid foundation in SQL and OOP abilities, I am convinced that I can offer significant contributions to projects within your company.

I'm confident I'm to contribute significantly in the role as a Data Scientist at Nodeflair. I look forward to speaking with you more about this opportunity. For further discussion or to provide additional information, feel free to contact me at kemalcrisannaufal@gmail.com. Thank you for considering my application.

Best regards,

Kemal Crisannaufal



KEMAL CRISANNAUFAL

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Kemal Crisannaufal is a 6th-semester student S1 Informatics program at Telkom University. A committed and academically oriented student, possess problem solving skills and always strive to complete tasks well and with full responsibility.

PERSONAL DATA

Name : Kemal Crisannaufal
Place of birth : Sumedang, 18 Maret 2003
Gender : Laki-laki
Address : Perumahan Korpri A/6 Desa Sayang, Kec. Jatinangor, Kab. Sumedang, Jawa Barat.

EDUCATION

S1 INFORMATIKA, TELKOM UNIVERSITY September 2021 – Now
• GPA: 4.00
SMAN 1 JATINANGOR 2018 - 2021
• Final Score: 91.40

ACHIEVEMENT

Computing Competitive Programming Finalist December 2022
• Solved problems related to algorithms and university-level programming, became a finalist, and successfully finished in 5th place out of 100+ participants.

ACTIVITIES AND PROJECTS

Data Structures Practicum Assistant September 2023-January 2024
Served as a practicum assistant for the Data Structures course in the Informatics Laboratory Telkom University
• Assisted students in understanding data structures.
• Conducted evaluations of students laboratory work.

Desktop Parking Application Development Project September 2023-January 2024
Final project for the Object-Oriented Programming course
• Develop a desktop parking application using the Java programming language.
• Designed the database and served as the backend developer.
• Conducted unit testing using Junit.

Drybean Classification Using Ensemble Learning Desember 2023
Project for the Machine Learning course
• Conducted data cleaning and data exploration on the dataset.
• Executed Exploratory Data Analysis (EDA) and Principal Component Analysis (PCA)
• Implemented classification through boosting with AdaBoost and a base learner decision tree
• Developed a model with an accuracy score 95%

Parkinson's Severity Prediction Project Using Neural Networks November 2023
Project for the Machine Learning course
• Performed data cleaning and data exploration on the dataset.

- Performed regression to predict the severity level of Parkinson's disease based on patient telemonitoring using artificial neural network.
- Produced a model with an R2 score of 0.87.

Arrhythmia Detection Using Machine Learning

June 2023

Project for the Introduction to Artificial Intelligent course

- Performed data cleaning and Exploration Data Analysis on the dataset.
- Performed classification for 16 classes with an imbalanced dataset
- Executed classification using K-NN and Naïve Bayes algorithms

CeLoe LMS Tel-U Mobile Redesign Project

February-June 2023

Final project for the Human-Computer Interaction course

- Analyzed of an existing application design and created user personas for the application.
- Developed a new design along with its prototype based on the analysis results using Figma software.
- Conducted usability testing using Maze and created a list of improvement plans.

Parking Application Design and Planning Project

February-June 2023

Final project for the Software Engineering: Analysis and Design course

- Conducted elicitation for a parking application and analyzed user classes and use cases required by each user for the application.
- Analyzed and determined the functional and non-functional requirements of the application.
- Created a software requirement specification document from the analysis of requirements.
- Designed the application interface on Figma software.
- Produced a software design description document as a guide for implementation.

Certifications

- | | |
|--|-----------------|
| • Introduction to Data Science with Python | DQLab |
| • Belajar Dasar Pemrograman Javascript | Dicoding |
| • Python for Data Professional Beginner | DQLab |

Skills

- | | | | |
|----------|---------------|-----------------|--------------|
| • C++ | • Flutter | • Teamwork | • Analysis |
| • Python | • SQL | • Communication | • HTML, CSS |
| • Go | • Object | • Bahasa | • English |
| • Java | • Oriented | • Indonesia | (EPRT : 493) |
| | • Programming | | |

Reference Cover Letter

<https://www.tealhq.com/cover-letter-examples/data-scientist>

Company : NodeFlair

Position : Data Scientist Intern

Requirement :

- Final year students or Bachelor's degree majoring in Information Technology or equivalent. Good programming skills in Python. Understanding of common data science toolkits, such as NumPy, Pandas, Scikit-Learn, TensorFlow or PyTorch.
- Good understanding of machine learning techniques and algorithms, such as k-NN, Naive Bayes, SVM, Decision Forests, etc.
- Understand SQL to query and process data in the database include creating view, function, and stored procedure.
- Experience with data visualisation tools, such as Metabase, Matplotlib, Seaborn, etc.
- A solid foundation in ObjectOriented Programming (OOP) principles is a plus.
- Ability to prioritize and multitask. Flexibility and adaptability in work approach.
- Ability to perform effective interaction with a broad range of people and roles.