Abdi Negara Guci

Fresh Graduate | Data Scientist | Researcher

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I am a fresh graduate who has an interest in Data Science and Data Analytics. I have experience to work in a company in a related position. Not only that, I also obtained several certifications and won several competitions in related fields and contributed to creating books and publications in the field of data science and python programming language.

EXPERIENCE

Data Scientist, Braincore.id (Internship) *September 2023-April 2024*
- I assist clients in conducting a data analysis. starting from preprocessing, Explanatory Data Analysis, and also making appropriate ML models, as well as making research reports in accordance with the requests submitted from clients tocompanies.

Research Assistant, Computer and Data Science Laboratory FMIPA UB *February 2023– Oktober 2023*
- Assist lecturers in conducting research experiments related to the development of machine learning in Mathematics.
- Managed to make a total of eight papers, with two of it has been published in Sinta 2 accredited journals, one proceeding, and contributed to making one book.

Lecturer Assistant, Mathematics Departement FMIPA UB *March 2021 – November 2023*
- Teach mathematics to college student, covering four different courses: Introduction to Complex Analysis I, Introduction to Statistics, Calculus II, and Image Processing.

Lead Team and Machine Learning Engineers, Dicoding Indonesia X Bangkit Academy 2023 *April 2023 – June 2023*
- Has successfully lead the application project in accordance with the expected plan.
- Successfully created a machine learning model that was integrated into the application.
- Active Member that getting program offering to the Company and Become a Best Project Presenter.

Machine Learning Student, Bangkit Academy 2023 *February 2023 – June 2023*
- Becoming the 7% among +67,387 Bangkit registrants.
- Learn about software development and machine learning deeply, with curriculum and global certification from Google.

Staff of Research and Development, RITMA FMIPA UB *March 2022 – December 2022*
- Responsible for developing the interests and talents of all staff in the field of research and science.
- Successfully led one of the activities called KELAS ANALISIS which was attended by more than 80 participants to develop insights in the field of data analysis.

EDUCATION

Bachelor of Mathematics, Brawijaya University *September 2020 – January 2024*
- GPA: 3,51
- Thesis: *Development of Tomato Leaf Disease Classification Model Using Hybrid CNN-SVM Classifier.*

ACHIEVEMENTS

Data Science, Data analytics, Statistics and AI Competition
- Honorable Mention Big Data Challenge, SATRIA DATA   2023
- 1st Data Science and Analytics with Python Competition, Muhammadyah Magelang University   2023
- Gold Medalist Scientific paper in Field of Information Technology and Artificial Intelligence, Brawijaya University   2023
- Finalist of Informatics Festival (IFEST) in Field of Data Analytics Competition, Padjajaran University   2023
- 1st Article Writing Competition in Theme of Artificial Intelligence, YMCC Brawijaya University   2023
- 1st Infografis Competition in Theme of Artificial Intelligence, YMCC Brawijaya University   2023
- 3rd Winner Data Driven Analytics Competition, Airlangga University   2022
- Finalist Statistics Essay Competition, Airlangga University   2022

Scientific Paper and Mathematics and Other Competition
- Silver Medal of World Youth Invention and Innovation Award (WYIIA), Indonesian Young Scientist Association   2023
- Silver Medal World Invention Competition and Exhibition (WICE), Indonesian Young Scientist Association   2023
- Silver Medal Indonesia International Internet of Things Olympiad (I3O), Indonesian Young Scientist Association   2023
- Semi Finalist Medal of Southeast Asia Mipa Road to Scientific Paper Competition, Universitas Negeri Yogyakarta   2023
- Finalist of International Mining Camp Competition 2023, UPN Veteran Yogyakarta   2023
- Silver Medal International Agriculture Technology Essay Competition (INTEGRATION), Brawijaya University   2022
- 4th BRM LKTIN (Lomba Karya Tulis Ilmiah), Tadulako University   2022
- Finalist Sciencesaurus Poster Competition, Brawijaya University   2022
- Best Research Team, RITMA FMIPA UB   2022
- Finalist Nasional Mathematics Revolution Competition (MCR), University of Surabaya   2019
- Finalist Olimpiade Sains Nasional (OSN) Central Sulawesi in Mathematics field   2019
- 2nd Video Competition. the ministry of education and culture. Central Sulawesi   2019
- 1st Kompetisi Sains Madrasah (KSM) Palu Barat in Mathematics field   2018

CERTIFICATION

- Tensorflow Developer Certificate   2023
- IoT Fundamentals: Big Data & Analytics, Cisco   2023
- PCAP: Programming Essentials in Python, OpenEDG Python Institute   2023
- Data Analytics Essentials _____   2023
- Google Data Analytics, Coursera   2023

- Natural Language Processing, Coursera   2023
- DeepLearning.AI Tensorflow Developer, Coursera   2023
- Tensorflow: Data and Deployment, Coursera   2023
- AWS Academy Graduate – AWS Academy Cloud Fondations, Amazon Web Services   2023
- Machine Learning Specialization, Coursera   2023
- Mathematics for Machine Learning Specialization, Coursera   2023
- Big Data Using Python, Kominfo   2023
- TOEFL IT   2023

PUBLICATION AND BOOK

- **Development of health Insurance Claim Prediction Method Based Support Vector Machine and bat Algorithm**
  Research Paper has been published in Sinta 2 accredited journals.
- **Non-Hierarchical K-means Analysis to Classify Priority Distribution of Fuel Subsidies in Indonesia**
  Research Paper has been published in Sinta 2 accredited journals.
- **Penghantar Algoritma dan Pemrograman dengan Python**
  a book containing an introduction to algorithms and programming with python. this book is suitable for beginners who want to learn about python. this book contains detailed explanations along with case study examples in each chapter.

PROJECT AND PORTOFOLIO

- **Github**
  Talking about my project implementation code of machine learning, deep learning in python, and other tools
- **Mentoring Platform for Dicoding Indonesia**
  This is a project from the final capstone project at Bangkit Academy 2023. here I was given the opportunity to create a mentoring platform application at Dicoding Indonesia. The main purpose of making this application is to do matchmaking between mentors and mentees based on their respective preferences.
- **Improvisasi Klasifikasi Sentimen dengan Hybrid Transformers-CNN untuk Tweet pada Twitter**
  Research Paper
- **Random Forest Classifier Model for Diagnosis Heart Disease with Bat Algorithm Feature Selection**
  Research Paper
- **Design of Insurance Fraud Detection System with Random Forest Classifier Model with Binary Particle Swarm Optimization BPSO Feature Selection**
  Research Paper
- **Development of CNN Model with ADAMAX Optimizer to Classify Tomato Leaf Diseases**
  Research paper in proceeding (on process to publish)
- **Segmentasi Penyakit pada Citra Daun Tomat dengan Metode K-Means Cluster melalui Ruang Warna HSV**
  Research paper

VOLUNTEER

Head of KELAS ANALISIS RITMA FMIPA UB 2022
KELAS ANALISIS is an event held by RITMA FMIPA UB to develop a college student skills in data analysis.
- Controlling every activity in KELAS ANALISIS event.
- Succeeded to inviting 80 Collage Student to take part in KELAS ANALISIS.
- Make an KELAS ANALISIS event accountability report.

Design Staff of RITMA RISET RITMA and KELAS DISKUSI RITMA FMIPA UB 2022
- RITMA RISET is an event held by RITMA FMIPA UB to show the results of group research that will be implemented. While, KELAS DISKUSI is an event held by RITMA FMIPA UB to hold discussions regarding research ideas that will be implemented.
- Creating event designs such as posters and iddle screen zoom.
- Publishing event to Instagram RITMA FMIPA UB.
- Documenting activites during event.

Event Staff of DIVORIA (Display Implementation Riset by Ritma) RITMA FMIPA UB 2022
DIVORIA is an event held by RITMA FMIPA UB to collects and publishes research results to college students.
- Creating grand design of DIVORIA event.
- Be a time keeper during the event.

Coordinator Team of PKMT (Pengabdian Kepada Masyarakat Tematik) Stunting 2022
PKMT stunting is a community service activity held by FMIPA UB to reduce stunting rates in Malang.
- Coordinating all activities during the service period.
- Make activities report during the service period.
- Performing stunting data analysis during the service period.

Security Staff of SIGMA (Kreasi Generasi Matematika) 2021
SIGMA is a training activity activity held by HIMATIKA UB to aimed at New Mathematics Major Students.
- Maintaining security during the agenda.

SKILLS

Hard skill:
- Programming Language: Python, R, Matlab, C++, HTML, Javascripts, CSS
- Tools: Google Colaboratory, Visual Studio Code, Anaconda, Spider, Jupyter Notebook, Microsoft Azure, AWS Cloud, Tableu, Orange, MS Word, MS Excel, MSPower Point , Canva, Django, Boostrap CSS