IDO SURANTA PANDAPOTAN MUNTHE

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I am a passionate, self-motivated, reliable, and hard-working undergraduate Informatics Engineering student interested in making impact into the world using data and Artificial Intelligence while also doing data analytics to make better decisions in business.

Education

Universitas Brawijaya - **Malang, Indonesia**   Aug 2020 - Aug 2024 (Expected)

Bachelor Degree in Computer Science, 3.50/4.00

- Relevant Courses : Google Data Analytics, Mathematics for Machine Learning, Machine Learning Specialization, DeepLearning.AI TensorFlow Developer, TensorFlow : Data and Deployment, TensorFlow : Advanced Techniques, Natural Language Processing (NLP),Google IT Automation, Data Structure and Algorithms,Computer Network, Software Engineering, Object Oriented Programming.

Work Experiences

Bangkit Academy   Feb 2022 - Jul 2022

Machine Learning Cohort

- Bangkit Academy is an online learning program that is designed to prepare students with in-demand skills and tech certifications. Bangkit's goal is to equip students with tect expertise, soft skills, and english proficiency to prepare themselves for the work life.
- Learned about Machine Learning for 3 months
- Created a Team-based Capstone Project for 1 month to help solve real-world problem
- Gathered more than 1000 data for Machine Learning model
- Created Machine Learning model that predict whether a family is eligible for receiving government assistance
- Completed the Capstone Project in less than 1 month.

Eksekutif Mahasiswa Informatika   Jan 2022 - Dec 2022

Internal Human Resource Manager

- Eksekutif Mahasiswa Informatika is an executive organization in Computer Science Department focusing on executing the programs to enhance the human resource in our department.
- Managed and controlled creative economy division to gain as many income as possible for the organization.
- Managed to handle the connection of creative economy division with other division in order to function efficiently as an organization.

Mahasiswa Wirausaha   Feb 2021 - Jun 2021

Graphic Designer

- Mahasiswa Wirausaha is an organization for undergraduate students willing to learn more about entrepreneurships and business in general.
- Provided designs to enhance the branding of the products of the business unit in Mahasiswa Wirausaha
- Managed to gain more than 200 new followers using our graphic designs on instagram.

Organizational and Leadership Experience

Album Malang   Dec 2022 - Present

President

- Album Malang is an association of students graduated from Budi Mulia Senior High School and are studying in Malang. We are here to connect and share with one another about college life and related things.
- Responsible for maintaining the life of the association and making sure all division has everything going well.
- Coordinate all division to be able to connect and work together efficiently.
- Manage the connection with other association to be able to broaden connection in Malang city.

AIESEC in Brawijaya   Nov 2022 - Present

AIESEC Future Leaders Coach

- AIESEC is an international youth-run, non-governmental and not-for-profit organization that provides young people with leadership development, cross-cultural internships, and global volunteer exchange experiences. The organization focuses on empowering young people to make a progressive social impact.
- Coach is responsible for making sure the delegates of AIESEC Future Leaders gain the most out of the whole event.
- Managed and tracked the progress of each personal delegate in my group.

AIESEC in Brawijaya   Apr 2022 - Jun 2022

AIESEC Future Leaders Delegate

- AIESEC is an international youth-run, non-governmental and not-for-profit organization that provides young people with leadership development, cross-cultural internships, and global volunteer exchange experiences. The organization focuses on empowering young people to make a progressive social impact

- Delegates must gain as many knowledge as possible from the event in order to grow theirselves as a person.
- Managed to be the best delegate on the 1st month

IF ELSE   Aug 2021 - Nov 2021

Coach of Mahasiswa Baru

- IF ELSE is a student orientation in Computer Science Department. It is held in order to manage the human resource in Computer Science Department to be able to develop as an independent student.
- Coached and handled 25 new student on their journey exploring things in Computer Science Department.
- Guided 25 new students to choose their path to the future regarding the skills they want to focus on and the type of job they want to have in the future.

AIESEC in Brawijaya   Apr 2022 - Jul 2022

Volunteer of LiterAction

- LiterAction is an event of volunteering to teach children from age 3-15 the importance of literacy.
- Led and controlled a grup of people to teach a group of children about literacy
- Managed and taught 12 children age 3-15 about the importance of literacy and the actions needed to take to make it real.

Projects

REOG (Resident Organizer)
- REOG is a Final Capstone Project application at Bangkit Academy aimed to help better the distribution of Social Assistance (Bansos) by using Machine Learning Algorithms to predict whether a family is eligible to receive the Social Assistance or not.
- Collaborated with people from Mobile Development background and Cloud Computing background.
- Finished the capstone project in less than 1 month
- Gathered more than 1000 raw data to feed into Machine Learning Algorithm
- Created Machine Learning model that predict eligibility of a family receiving social assistance.

Cats vs Dogs Image Classification
- Implemented Convolutional Neural Network to classify images of cats and dogs
- Implemented Image Augmentation to highten up the classification accuracy
- Achieved 81% classification accuracy

Horses vs Humans Image Classification
- Implemented Convolutional Neural Network to classify images of horses and humans
- Applied Image Augmentation to highten up the classification accuracy
- Achieved 80% classification accuracy

Poetry Using NLP
- Implemented Natural Language Processing (NLP) to auto-generate a poetry
- Applied Long Short-Term Memory (LSTM) to make the poetry more understandable

Coffee Shop Data Analysis
- Carried out Data Preparation stage with more than 6000 data
- Preprocessed data to get insights and future trends
- Visualized the insights gained using Tableau
- Gave 6 recommendations for the Coffe Shop to increase their performance

Skills

- **Language**: Bahasa Indonesia (native), English (intermediate), Deutsch (basic)
- **Hard Skills**: Micorosoft (Word, Excel, Power Point), Adobe (Photoshop, Premiere Pro)
- **Programming :** HTML, CSS, Javascript, Python, Tensorflow, Machine Learning, Deep Learning, MySQL, Tableau
- **Soft Skills**: Communication, collaboration, critical thinking, analytical thinking, problem-solving