

ANNUR RIYADHUS SOLIKHIN

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Tegal, Central Java, Indonesia

As a dedicated informatics engineering student with a passion for making real contributions to the advancement of technology, I am keen to improve my academic and professional achievements. I have extensive experience in machine learning and web development, having worked on various full-stack web projects, as well as machine learning and deep learning model development.

EDUCATION

Politeknik Harapan Bersama – Tegal, Indonesia

Sep 2021 - Present

Undergraduate in Informatics Engineering, 3.83/4.00

- Conducting a community service programme by creating an MSME website to help promote MSMEs in the village.
- Became a member of community service by lecturers, by conducting socialization and training on NLP, Machine Learning, and the application of AI applications for the field of fashion.
- Relevant Coursework: Web Development, Database System, Machine Learning, Intelligent System Programming.

Bangkit Academy – Bandung, Indonesia

Aug 2023 – Jan 2024

Machine Learning Learning Path, Kampus Merdeka Study Independent

- Understanding of the math that makes machine learning algorithms work.
- Apply TensorFlow best practices for computer vision and natural language processing tasks, including handling real-world image data, preventing overfitting with augmentation and dropout, and training RNNs, GRUs, and LSTMs on text repositories.
- Learn how to build a successful machine learning project and get to practice decision-making as a machine learning project leader.
- Apply machine learning models to mobile applications and explore advanced deployment scenarios.
- Learn soft skills and apply English in every class, presentation, and discussion.

EXPERIENCE

Forum Riset Teknologi Informasi – Tegal, Indonesia

Apr 2023 – Present

Head of Research Department

- Carry out research department work programs.
- Tasks of the research department is handle and guide in exploring ideas, writing scientific papers, and writing proposals.
- Compile and present findings and recommendations based on rigorous data analysis.

Himpunan Mahasiswa Prodi Teknik Informatika – Tegal, Indonesia

Mar 2023 – Jan 2024

Vice Chairman

- Support and assist the chairman in carrying out organizational tasks and replace the chairman if necessary.
- Coordinate the internal activities of the study programme student association.
- Plan and implement programmes and activities held by the study programme student association.

PROJECT

ArsProperty: Home Marketing Website with Decision Support System feature

Laravel, Bootstrap, MySQL, SAW Method

- Implementing the Simple Additive Weight method Decision Support System into Laravel.
- Creating Frontend with bootstrap framework and using blade template from laravel.
- Implement database relationships with models and migrations in Laravel.

RempahTour Website

PHP, Javascript, Bootstrap, Pano2VR

- Taking 360-degree photo data at 15 vertex points of the spice trail in Central Java.
- Stitching 360-degree photos into an informative virtual tour.
- Develop Virtual Tour Jejak Rempah Nusantara website and perform maintenance.

Website UMKM Desa Selapura

PHP, MySQL

- Create UI/UX Design for Website mockup.
- Compose ERD so that the database would be organized and easy to maintain.
- Develop front end using html, css, bootstrap and backend using native PHP and MySQL database.

Tegal Tourism Website

PHP, MySQL, Pano2VR

- Taking 360-degree photos and stitching 360-degree photos using Pano2VR software to become a virtual tour.
- Create landing page for each tourism object.
- Create 2 language settings such as Indonesian and English for landing page and virtual tour page.
- Monitoring, maintenance, and updating new tourism object.

Spicefy: Education and Marketplace App for Spice

Kotlin, Tensorflow, Flask, NodeJS

- Collected a dataset of 25 spice image classes and gathered information about spices.
- Building an image classification model with 25 spice classes using tensorflow with EfficientNet transfer learning model.
- Creating a chatbot model with NLP that contains educational information about spices.
- Deploy the two models above to Google Cloud Run using the flask framework.

SpineMotion Backend

OpenCV, Mediapipe, Flask, MySQL, MongoDB, Streamlit

- Build and test a real time human pose classification model using mediapipe and random forest algorithm.
- Create authentication with JWT using flask framework, and mysql database.
- Visualize human pose classification results using streamlit to gain new insights.

ACHIEVEMENTS

- **Finalist Huawei Indonesia ICT Competition 2023 National Final – Indonesia**
Issued by Huawei ICT Indonesia, Jan 2024.
- **Finalist Android App Competition INV FEST X ISF 8.0 – Purwokerto, Indonesia**
Issued by Himpunan Mahasiswa Teknik Informatika IT Telkom Purwokerto, Dec 2023.
- **Finalist Web App Competition UNM Digital Business Fest 2023 – Depok, Indonesia**
Issued by Universitas Nusa Mandiri, Aug 2023.

CERTIFICATION & COURSE

Certification:

- TensorFlow Developer Certificate

Course:

- Machine Learning Terapan (Dicoding)
- DeepLearning.AI Tensorflow Developer Specialization (DeepLearning.AI)
- Tensorflow: Data Deployment Specialization (DeepLearning.AI)
- Machine Learning Specialization (DeepLearning.AI)
- Mathematics for Machine Learning and Data Science Specialization (DeepLearning.AI)
- Mathematics for Computing (BISA AI Academy)

SKILLS

Languages: Bahasa Indonesia (native), English (passive)

Language Programming: PHP, Python, JavaScript, Dart, R, Java

Framework: Laravel, Flask, Flutter

Database: MySQL, PostgreSQL, MongoDB

Developer Tools: Git, Postman, Jira, Visual Studio, Trello, Netlify

Libraries: Bootstrap, Tensorflow, NLTK, Pandas, Scikit-Learn, OpenCV, Ultralytics