

# ANNUR RIYADHUS SOLIKHIN

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

## EDUCATION

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### Politeknik Harapan Bersama – Tegal, Indonesia

Sep 2021 - Present

*Undergraduate in Informatics Engineering, 3.83/4.00*

- Create many project in the field of web and machine learning.
- Become a member of community service by lecturers, to conduct socialisation and training on technology, social media, and machine learning especially NLP.
- **Relevant Coursework:** Web Development, Database System, Algorithms & Data Structures, Machine Learning.

### Bangkit Academy – Bandung, Indonesia

Aug 2023 – Jan 2024

*Machine Learning Learning Path, Kampus Merdeka Study Independent*

- 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.
- 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

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### Tegal Dev – Tegal, Indonesia

May 2024 – Present

*Event Organizer Division*

- Coordinated and organised monthly meet-up events for the Tegal Dev community, involving more than 20 members.
- Develop and implement relevant workshops programmes designed to improve the technical skills of community members.
- Ensure smooth running of the event and participant satisfaction, and evaluate event results for future improvements.

### Forum Riset Teknologi Informasi – Tegal, Indonesia

Apr 2023 – Present

*Head of Research Department*

- Manage and implement the research department's work programme, to ensure a structured annual work programme.
- 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 chairperson in carrying out the duties of the organisation and replace the chairperson when necessary, ensuring smooth operations and continuity of leadership.
- Coordinate internal activities of the student association, ensuring alignment with organisational plans and objectives.
- Plan and implement programmes and activities, ensuring successful and beneficial events for members.

## PROJECT

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### 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, Bootstrap, 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.

### Machine Learning for the Spicefy App (Education and Marketplace App for Spice)

Tensorflow, Flask

- 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

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- **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

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### Certification:

- TensorFlow Developer Certificate

### Course:

- Machine Learning Terapan (Dicoding)
- DeepLearning.AI Tensorflow Developer Specialization (DeepLearning.AI)
- Tensorflow: Data Deployment Specialization (DeepLearning.AI)
- Belajar Membuat Front-End Web untuk Pemula (Dicoding)
- Belajar Membuat Aplikasi Back-End untuk Pemula (Dicoding)

## SKILLS

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

**Language Programming:** PHP, Python, Javascript, Dart, R

**Framework:** Laravel, ExpressJS, Flask, Flutter

**Database:** MySQL, PostgreSQL, MongoDB

**Developer Tools:** Git, Postman, Jira, Trello, Netlify

**Libraries:** Tailwind, Bootstrap, Tensorflow, Scikit-Learn, OpenCV, Ultralytics