

# CHAERUNNISA SALSABILA

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Brebes, Central Java, Indonesia

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A final semester student majoring in Informatics Engineering with a strong focus on web development, particularly in backend technologies. Experienced in building full-stack web applications, designing RESTful APIs, and managing databases. Proficient with frameworks like Laravel, Flask, Flutter, and Flutter GetX. Highly motivated to continue learning and contributing to impactful, real-world projects.

## EDUCATION

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**Politeknik Harapan Bersama - Tegal, Indonesia** 2022 - Present

*Undergraduate in Informatics Engineering, GPA 3.87/4.00*

- Developed projects in web development, mobile development, backend API, and several simple Java applications.
- Relevant Coursework: Web Development, Mobile Application Development, Backend Development, Database Systems, Java Programming, API Design and Development.

**SMA N 2 Brebes – Brebes, Indonesia** 2017 - 2021

*Science Program (IPA)*

- Average Score: 85

## EXPERIENCES

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**Cinema Crew - Part Time** May 2022 - Present

*PT. Cinemax Global Pacific (Cinepolis)*

- Contributed effectively within the team to achieve shared goals.
- Successfully met and exceeded the set SPH (Sales per Hour) targets.
- Actively involved in selling products and explaining promotions to customers.

**Volunteer** January 2022 - February 2023

*Granat Rescue Brebes (Organization)*

- Actively participated as a volunteer in the organization to provide assistance in Brebes and surrounding areas affected by disasters.
- Engaged in field operations, including search and rescue missions, evacuations, and providing aid to victims.
- Assisted in collecting donations, including money, food, and clothing, and distributed the gathered donations to disaster victims.

## PROJECTS

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**Health Website**

*PHP, MySQL, Bootstrap*

- Developed a health-related website using PHP and MySQL for managing health articles, blog posts, and user accounts.
- Designed a responsive UI with Bootstrap for easy navigation and improved user experience.
- Integrated a secure login system and database management for user-generated content.

### **School Profile Website (WordPress)**

- Developed a school profile website using WordPress to showcase school information and features.
- Designed and customized the site's layout to meet client needs, ensuring easy navigation and a user-friendly interface.

### **Decision Support System for Selecting the Best Boarding House in Tegal City**

*Laravel, Bootstrap, MySQL, SAW Method*

- Implemented the Simple Additive Weight (SAW) Decision Support System for selecting the best boarding house in Tegal city.
- Developed the frontend using the Bootstrap framework and Blade template from Laravel.
- Implemented database relationships with models and migrations in Laravel.
- Integrated MySQL with the SAW method application to store and retrieve data related to boarding house criteria and scoring.
- Used NetBeans IDE to develop, manage, and test the application efficiently.

### **Pose Detection System for Pilates Movement Classification**

*Python, Mediapipe, Random Forest, MySql*

- Built a web system using Python and Mediapipe for human pose detection.
- Applied Random Forest algorithm for accurate Pilates movement classification.
- Used probability classification to evaluate correct movement performance.
- Created user authentication and management with Flask and MySQL.
- Integrated an NLP chatbot providing educational content on Pilates movements.
- Trained the pose detection and movement classification model using YouTube video datasets.
- Developed a text classification system using Flask and IndoBERT to categorize user feedback into positive, negative, or neutral.

### **PostureCare: Real-Time Human Pose Classification**

*LSTM Algorithm, MongoDB, Flask, Flutter, Firebase, JWT Token, Mediapipe*

- Developed the PostureCare application for real-time human pose classification using Flask, LSTM (Long Short-Term Memory) algorithm, and MongoDB for data storage.
- Integrated user authentication and Google login with Firebase, and used JWT tokens for secure access.
- Combined image classification with machine learning algorithms to classify human poses and actions in real-time using Mediapipe.
- Focused on posture correction and repetition tracking to improve users' posture health.

### **Game Pirate Bomb 2D Platformer**

*Unity, C#*

- Developed a 2D platformer game "Pirate Bomb" using Unity and C# programming.
- Created the game's environment, characters, and mechanics, including bomb-throwing features and obstacle navigation.
- Integrated system and levels to increase game difficulty.

## **ACHIEVEMENTS & WORKSHOPS**

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- **Participant, IT Competition: Web Development Dinusfest**

*Issued by Universitas Dian Nuswantoro, Semarang - 2025*

- **Participant, Workshop: Mobile Development Invocest (IT Workshop Vocational Festival)**  
*Issued by Politeknik Harapan Bersama, Tegal - 2024.*
- **Participant, GEMASTIK XVII Data Mining Competition**  
*Issued by Balai Pengembangan Talenta Indonesia (BPTI), Pusat Prestasi Nasional (PUSPRESNAS), Sekretariat Jenderal, Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi, 2024.*
- **Participant, Web Development, Silogy Expo National Competition**  
*Issued by Himpunan Mahasiswa Sistem Informasi, Universitas Singaperbangsa - 2024*
- **Participant, Workshop: Real-Time Object Detection in Artificial Intelligence**  
*Issued by Invocest, Politeknik Harapan Bersama, Tegal - 2023*

## TECHNICAL SKILLS

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- **Language Programming:** HTML, PHP, Python.
- **Framework:** Laravel, Flask, Streamlit, Flutter
- **Database:** MySQL, MongoDB
- **Developer Tools:** Git, Postman, Jira, Selenium, Katalon
- **Libraries:** Bootstrap, Tensorflow
- **Methodologies:** Scrum