



Linggar Maretva Cendani

WEB DEVELOPER

📍 Bekasi City, Indonesia

✉ linggarmc@gmail.com

☎ +628817678194

🌐 <https://www.linkedin.com/in/linggarm>

🐙 <https://github.com/LinggarM>

Summary

Highly motivated Web Developer with a Bachelor of Computer Science degree from Diponegoro University, graduating with a 3.83 GPA. Experienced in developing and deploying robust backend systems for web and mobile applications, with expertise in PHP, Javascript, and Python. Proficient in frameworks like Flask, CodeIgniter, and Firebase, and adept at API development, database management, and integrating AI/ML models into production environments. Demonstrated success in creating scalable solutions for government projects, startups, and research applications. Strong problem-solving skills, attention to detail, and a passion for technology-driven innovation.

Skills

- **Programming Languages:** PHP, JavaScript, Python, Java, Kotlin
- **Backend Frameworks:** Codeigniter, Flask (Python), Laravel, Firebase, Wordpress
- **Databases:** SQL (MySQL, SQLite), NoSQL (Firebase Firestore), Database Design
- **API Development:** RESTful APIs, JSON, Postman, Insomnia
- **Frontend Technologies:** HTML, CSS, Bootstrap, Javascript, jQuery, AJAX
- **Software & IDEs:** Visual Studio Code, Version Control Systems (Git, GitHub), XAMPP, Laragon, Android Studio, Google Colab
- **Web Server & Hosting:** Linux, Apache, Nginx
- **Software Development:** Algorithms & Data Structures, Database Design, Object-Oriented Programming (OOP), Software Development Lifecycle, Agile (Scrum)
- **Collaboration Tools:** Zoom, Google Meet, Trello
- **Soft Skills:** Problem-Solving, Analytical Thinking, Fast Learner, Attention to Detail, Communication, Presentation, Teamwork & Collaboration, Adaptability
- **Additional Skills:** AI, Machine Learning, Deep Learning, Natural Language Processing (NLP), Android Development (Java, Kotlin)

Work Experience

Web Developer at PT FTF Globalindo, Bekasi

Jun 2024 — Present

- Developed a regional levy (*retribusi daerah*) web application for the Pringsewu Regency Government, Lampung.
- Developed a regional e-tax service (*e-layanan pajak daerah*) web application for the Bandar Lampung City Government, Lampung.
- Enhanced the frontend UI of the Pesawaran Regency tax application (*9 pajak*), modernizing its design to improve user experience.
- Assisted coworkers with programming issues.
- Collaborated with IT support to launch reliable and scalable web applications.
- **Tech Stack:**
 - **Back-end:** PHP, CodeIgniter, MySQL, Navicat, REST APIs, Postman, Linux, Nginx
 - **Front-end:** HTML, CSS, Bootstrap, JavaScript, jQuery, AJAX

Research Assistant at Diponegoro University, Semarang

Feb 2022 — Aug 2022

- Developed an AI model for Automated Essay Scoring (AES) utilizing various deep learning architectures.
- Created an API for the AI model using Flask.

Education

Bachelor of Computer Science, Diponegoro University

Aug 2017 — Feb 2022

- **GPA/IPK:** 3.83 out of 4.0 (Cumlaude, Best Graduate of the Computer Science Program in 166th Graduation Period)
- **Relevant Courses:**
 - Algorithms & Data Structures
 - Object-Oriented Programming
 - Databases
 - Software Engineering
 - Project Management
 - Software Testing
- Participated in 14 competitions in the fields of programming, research, and entrepreneurship, achieving recognition in 5 of them.
- Actively involved in 7 student organizations at the department and faculty levels, holding key positions in 2 organizations (leader and head of division).

Publications

- Web-Based Application for Automated Essay Scoring Using Deep Learning to Support Assessment Process in E-Learning (*ICIC Express Letters Part B: Applications, Oct 2023*)

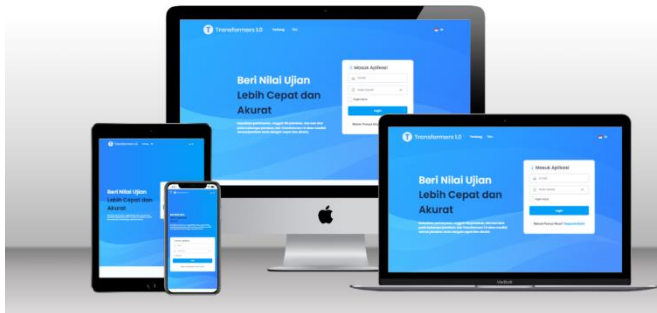
Achievements

- Successfully secured funding from the Student Entrepreneur Program (Program Mahasiswa Wirusaha - PMW) in 2020 and the Entrepreneurial Student Creativity Program (PKM-K) in 2019 for the business named In Corporation: A startup offering online services for Rental-In, Design-In, Print-In, and Install-In based on Android (In Apps).

Languages

- Indonesian (*Native*)
- English (*Proficient*)
- Javanese (*Native*)

- Designed and implemented the backend system for the AES web application, "**Transformers 1.0**," using Flask framework and TensorFlow, integrating the best-performing AI model and adding user authentication features.
- Published research findings in a scientific journal, contributing to advancements in Natural Language Processing (NLP) and automated assessment technologies.
- Project: **Transformers 1.0: Automated Essay Scoring using Deep Learning and IndoBERT Embedding (2022)**



- **Technologies used:** Python, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Keras, TensorFlow, Flask, Hugging Face, Transformers, BERT.

Android Developer at In Corporation, Semarang

Mar 2019 — Aug 2021

- Developed **In Apps**, the Android application for In Corporation (an online service startup offering rental, design, printing, and installation services), handling requirements gathering, analysis & design, database creation, application flow & UI/UX design, coding, deployment, and maintenance.
- Designed and implemented backend/API services using Firebase, including Firebase Auth for authentication, Firebase Firestore for database management, Firebase Storage for file handling, and Firebase Crashlytics for app stability and crash reporting.
- Secured copyright protection from the Ministry of Law and Human Rights for In Apps, ensuring its originality and legal ownership. (**Copyright Registration Number: EC00201946170**, Registration Date: July 9, 2020)
- Project: **In Apps (2021)**



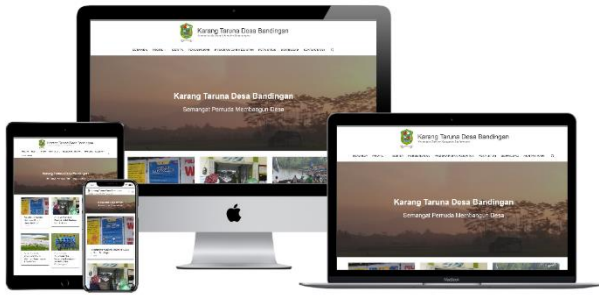
- **Technologies used:** Android Studio, Kotlin Programming Language, Object-oriented Programming, Material Design, Firebase Auth, Firebase Firestore, Firebase Storage, Firebase Crashlytics, Room Database, Preference Library, Glide, Lottie
- **GitHub Link:** <https://github.com/LinggarM/InApps>

Web Developer Intern at Balai Desa Bandingan, Kec. Bawang, Kab. Banjarnegara, Indonesia

Jul 2020 - Aug 2020

- Developed the Karang Taruna Desa Bandingan using the Waterfall software development method, utilizing technologies such as HTML, CSS, Javascript, and WordPress.

- Provided website content, including essential pages, news articles, and announcements, ensuring accurate and up-to-date information for the public.
- Successfully launched the Karang Taruna Desa Bandingan website <http://tunasbandingan.xyz>, meeting all project deadlines and milestones.
- Project: **Website Karang Taruna Desa Bandingan (2020)**



- **Technologies used:** Apache Web Server, CMS WordPress, PHP, MySQL
- **GitHub Link:** <https://github.com/LinggarM/Website-Karang-Taruna-Desa-Bandingan>

Web Developer Intern at Dinas Komunikasi dan Informatika, Banjarnegara

Jan 2020 — Feb 2020

- Developed and launched the official website of Dinas Perhubungan Kabupaten Banjarnegara and Vehicle Test (Uji KIR) Registration System, employing Waterfall software development methodology.
- Utilized HTML, CSS, JavaScript, PHP, MySQL, WordPress, and DIVI for web development, ensuring accurate and up-to-date content for public access.
- Increased site traffic by an average of 10 visitors per day.
- Project: **Website Resmi dan Sistem Uji KIR Dinas Perhubungan Kabupaten Banjarnegara (2020)**



- **Technologies used:** HTML, CSS, Bootstrap, Javascript, PHP, MySQL, Apache Web Server, CMS WordPress, DIVI (Theme Plugin)
- **GitHub Link:** <https://github.com/LinggarM/Sistem-Uji-KIR-Dinhub-Banjarnegara>