

FAREL PUTRA ALBANA

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As an informatics engineering student in my 6th semester at Raja Ali Haji Maritime University, I focus on web development, UI/UX design, data analysis, and data science. I have led teams and completed various on-campus and off-campus projects, involving website development, user interface design, and data analysis. Through these projects, I have demonstrated my ability to solve complex problems and manage time effectively to ensure successful outcomes. I am dedicated to continuously improving my technical skills and making meaningful contributions to the IT industry.

EDUCATION

INDEPENDENT STUDENT EXCHANGE BATCH 4

2024 - Present

Dian Nuswantoro University - Semarang, Indonesia

- *Informatics Engineering, Faculty of Computer Science*

Raja Ali Haji Maritime University - Tanjungpinang, Indonesia

2021 - Present

- *Informatics Engineering, Faculty of Engineering (Current GPA : 3.83 / 4.00)*

SMA Negeri 1 - Tanjungpinang, Indonesia

2018 - 2021

- *Mathematics and Sciences (GPA : 8.92)*

ORGANIZATIONAL EXPERIENCE AND ACHIEVEMENT

STUDENT CREATIVITY PROGRAM

19 April 2024 - Present

Direktorat Pembelajaran dan Kemahasiswaan (Belmawa)

Student Creativity Program - Community Service

- *Successfully passed the funding stage of the Student Creativity Program from 3520 proposal titles from 8 fields offered.*
- *Implemented 3 main programs with a focus on technology revitalization, such as School Profile Website, E-Learning, and digital attendance.*
- *Carry out all community service activities for 5 months in accordance with the predetermined schedule and have the opportunity to gain valuable experience at SDN 013 Tanjungpinang Barat.*

INDEPENDENT STUDENT EXCHANGE Batch 4

04 March 2024 - Present

MBKM Merdeka Campus

Dian Nuswantoro University - Semarang, East Java

- *Conduct personal skills through intense with 80 students from all universities in Indonesia, aimed at improving public speaking and collaborative teamwork.*
- *Carry out all activities of the informatics course for one semester in accordance with the curriculum set in semester 6 have the opportunity to gain new perspectives in academic studies.*
- *Carrying out activities of 14 Nusantara Modules organized by the Dian Nuswantoro University.*

NUSANTARA MODULE GROUP LEADER

04 March 2024 - Present

Independent Student Exchange Batch 4

Dian Nuswantoro University - Semarang, East Java

- *Control the coordination and supervision of all activities related to the archipelago and academic modules, ensuring that everything runs smoothly and according to a predetermined schedule.*
- *Acting as guest star in every event held to maintain contributions and support participants of the independent student exchange program.*
- *Maintain communication, cooperation, and build good relationship with people from different cultures as well as improve the ability to adapt and negotiate.*

RESEARCH PROJECT AND EXPERIENCE

Research and Journal Publication [\[Link\]](#)

September 2023 - January 2024

- *Conducting research at SDN 013 Tanjungpinang Barat related to the School Profile Website and Re-registration for New Learners*
- *Successfully conducted research for 4 months at SDN 013 Tanjungpinang Barat and acted as a research team.*
- *Successfully published a journal in Explore Jurnal Informatika dan Komputer in January 2024 with the title "Information System and Management of New Student Registration at SD Negeri 013 Tanjungpinang Barat".*

Data Analyst Project Team [\[Link\]](#)

September 2023 - December 2023

- *Conducted internship project activities in data mining courses by applying the Linear regression algorithm, resulting in a 15% improvement in prediction accuracy.*
- *Successfully completed a 4-month data mining project at a pharmacy in Tanjungpinang and acted as a team analyst by collaborating with 8 people.*
- *Successfully presented the findings to the supervisor with the title "Prediction of Medicine Stock Requirements in the Future Using Linear Regression" with the best score.*

PROJECTS ACCOMPLISHMENT

Multi-Server Chat Application System, Distributed Systems Course [\[Link\]](#)

- *Developed a Multi-Server Chat Application system, overcoming challenges of ensuring real-time message delivery, handling server failures without data loss, and combining messages from various platforms into one user-friendly interface; personally responsible for the distributed chat UI and system complexity testing, achieving perfect results through teamwork.*

Development of Website Profile and PPDB of SDN 013 Tanjungpinang Barat, System Development Project [\[Link\]](#)

- *An honor to complete the implementation of the school profile and PPDB website for SDN 013 Tanjungpinang Barat with my team, where I served as a Frontend and Backend Web Developer, building the website over approximately 4 months and successfully publishing a journal.*

Review of the Effectiveness of Gauss-Jordan, Jacobi Iteration and Gauss-Seidel Methods in Solution Search Applications, Numerical Methods Course [\[Link\]](#)

- *Successfully completed a project reviewing the effectiveness of Gauss-Jordan, Jacobi iteration, and Gauss-Seidel methods in solving linear equation systems, highlighting each method's strengths and weaknesses based on system characteristics.*

Arduino Uno-based Student Attendance System, Digital System Course [\[Link\]](#)

- *Developed an Arduino Uno-based Student Attendance System for the Digital System Course, effectively utilizing RFID technology for card detection and implementing efficient data storage in Excel format.*

Game Engine, Computer Graphics Major [\[Link\]](#)

- *Led a challenging Computer Graphics project, integrating the latest technologies to build a game creation platform; developed features like main characters, fonts, and backgrounds, improving user interface and simplifying the game creation*

SKILLS

Language : Indonesia (Native), English (Beginner)

Software : Canva, Figma, Microsoft Office (Word, PowerPoint, Excel), Whimsical, Diagram.io, Github

Hard Skills :

- HTML, CSS, PHP (Intermediate)
- Python (Beginner)
- JavaScript (Beginner)
- MySQL

Soft Skills :

- Public Speaking
- Team Collaboration
- Efficient Scheduling