JORDAN ISTIQLAL QALBI ADIBA

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Technology enthusiast with leadership experience managing projects and technical teams. Able to coordinate with clients to identify business problems and align needs with the development team. Expertise in web development, data analytics, and recommendation systems, and am actively involved in research resulting in scientific publications. I am solution-oriented and passionate about creating real impact through technology.

EDUCATION

Institut Teknologi Sepuluh Nopember   **Surabaya, Indonesia**
Master of Computer Science, M. Kom | GPA 3.71 of 4.0   2023- 2025
- Thesis title "*Fraud Detection Optimization Using Oversampling Method and Panel Data Analysis in Classification and Regression*" Supervised by Prof. Riyanarto Sarno.

Universitas Darussalam   **Ponorogo, Indonesia**
Bachelor of Computer Science, S. Kom | GPA 3.49 of 4.0   2018 - 2022
- Thesis title "*Classification of Madd Reading Law Using Mel Frequency Cepstral Coefficient (MFCC) and Hidden Markov Model (HMM)*". Supervised by Oddy Virgantara Putra and Faisal Reza Pradana. Published paper in PELS.
- Actively participate in 5+ club activities sports, academics, and social activities.

WORK EXPERIENCE

Sekawan Media   **1 Year 4 Months**
Lead Engineer   June 2023 – August 2023
- Coordinated communications with clients to identify business problems and align requirements with the technical team.
- Compiled technical performance reports to assist management in evaluating team productivity and effectiveness.

Backend Developer   May 2022 – July 2023
- Developed and maintained web applications based on client requirements to improve operational efficiency.
- Perform feature debugging and optimization, which improves application stability and performance.

Binokular Media Utama   **3 Months**
Intern Software Developer   December 2021 – February 2022
- Analyze system requirements and design application features according to project specifications.
- Developed program flows that align with user needs and technical standards.
- Developed an internal website to support the systems analyst division in selecting data-driven topics.

Angka Kredit Penunjang Akademik Mahasiswa (AKPAM)   **2 Years 1 Months**
Lead Data   August 2020 – January 2021
- Designed an Excel-based input system to expedite the team's data entry process.
- Managed a data processing schedule so that all input could be completed on time.
- Analyzed student activity data to generate supporting academic grade reports

Data   January 2019 – July 2020
- Documented and evaluated student activities on and off campus.
- Created standard input forms to ensure consistency in data recording.

SKILLS

Language	Indonesia (Native), English (Intermediate), Arabic (Intermediate).
Proficiency	Web Development, Data Structure and Algorithms, Data Analysis, Decision Making System, Recommendation System, Data Generation.
Technical	PHP, JavaScript, Python, Node.js, Laravel, CodeIgniter, Express.js, Flask, Wordpress, jQuery, Vue.js, React.js, MySQL, Redis, Object Storage, RabbitMQ, Web Socket, Git, Docker.

PROJECTS

Trace Error System based on Message Broker Track
- Error notification system, prevent system errors from recurring or fatal errors.
- Tech Stack: Laravel, RabbitMQ, Zenziva.

Enterprise Resource Planning Statistical Process Control System
- Web-based monitoring machine process and reporting efficiency.
- Tech Stack: CodeIgniter, jQuery.

Enterprise Resource Planning Manufacture Management System
- Web-based solutions improve production reporting efficiency.
- Tech Stack: CodeIgniter, jQuery.

Enterprise Resource Planning Quality Control System
- Web-based solutions tracking quality more efficiently and transparency.
- Tech Stack: CodeIgniter, jQuery.

Binosaurus-Annual Report to find similarity
- A web-based solution for identifying topic similarity levels in local news to support the analyst division.
- Tech Stack: Laravel, Flask, Redis, RabbitMQ, Web Socket, Cosine Similarity, Docker.

Donation Platform (Lazizwaf UNIDA)
- Restyle CMS Donation web system, add online payment, and calculator zakat.
- Tech Stack: Wordpress.

QuranTani
- Mobile app encyclopedia to handle agricultural problems based on the recommendations of applicable arguments.
- Tech Stack: Kotlin

Archery Festival UAC
- Score and Event management system for internal club Archery and monitoring member performance.
- Tech Stack: Laravel, Vue.js, Object Storage.

Reckomik
- Recommendation system with implement algorithm decision making, similarity, and weighting criteria to achieve accurate recommendations.
- Tech Stack: Flask, React.js, Jupiter Notebook, Cosine Similarity, Decision Making Algorithms.

Furniture Online Store (Online Course)
- Web-based Online Store focused on furniture sales.
- Tech Stack: Laravel, Midrans.

Shamo (Online Course)
- Integration Online store app between web app to mobile app using Laravel and Flutter.
- Tech Stack: Laravel, Midrans, Flutter.

ORGANIZATION & COMMUNITY SERVICE EXPERIENCES

Darussalam Web Community | Chairman & Teach division   October 2019 - May 2020
- Led 10+ active members through workshops and technical sessions, providing structured learning materials to improve coding skills.
- Managed the effectiveness of ongoing teaching and structured material within the community.
- Fostered community members in developing student interests and talents.

HIMATIF | Head of Entrepreneurship section   August 2018 - August 2020
- Be an active member and assist the Chairperson of the Association as a general assistant.
- Become the head of the Entrepreneurship division and manage the internal business of the study program at every event

Unida Archery Club | Training Division   October 2019 - May 2020
- Led weekly archery training sessions for 10+ members and developed structured training modules for beginners.

Garbage Bank, Mapres Team | IT Support Team   May 2020 - November 2020

- Designed app, program flow, and developed system with collaboration a team of 4 to build functional and suitable prototype system for *mapres* competition.

QuranTani, PKM-KC Internal Campus | Developer & UI/UX Designer   October 2019 - May 2020
- Designed UI/UX and backend flows, collaborating with a team of 3 to build a functional prototype for a campus innovation competition.

TEACHING EXPERIENCE

Informatics Engineering Study Program of Universitas Darussalam   **6 Months**
Web Programming Assistant Lecturer   January 2019 – July 2019
- Guided students in basic web programming practices to strengthen coding understanding.
- Develop structured practice questions and practice materials to support learning.

SMPN 1 Ponorogo   **3 Months**
Informatics and Quran Teacher   September 2020 – November 2020
- Manage classes of 20+ students guiding them in informatics lessons.
- Manage classes of 20+ students guiding them in Quran lesson.

TPA Al-Amin Brahu   **1 Year 4 Months**
Quran Teacher   December 2018 – March 2020
- Manage classes of 15+ students, guiding them in Quran recitation and religious fundamentals.
- Plan and manage activities, including Islamic holiday celebrations and competitions.

PUBLICATIONS

JIQ. Adiba, R. Sarno, MS. Hitam, AT. Haryono, KR. Sungkono, AM. Tjoa, SS. Lee. "A Comparative Study of Oversampling Methods in Regression-Based Financial Fraud Detection", in *Proc. of 2025 International Conference on Information Technology and Computing (ICITCOM)*, 2025. In Press.

JIQ. Adiba, J. Slamet, AM. Teguh, AF. Septiyanto, R. Sarno. "Advanced Deep Learning and Hybrid Models for Forecasting Rice Production in Indonesia", in *Proc. of 2024 11th International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE)*, 2024. https://DOI: 10.1109/ICITACEE62763.2024.10762812.

OV. Putra, FR. Pradana, **JIQ. Adiba**. "Mad Reading Law Classification Using Mel Frequency Cepstral Coefficient (MFCC) and Hidden Markov Model (HMM)", in *Proc of Vol. 2 (2021): Proceedings of the 3rd Seminar Nasional Sains 2021*, 2021. https://doi.org/10.21070/pels.v2i0.1148.

CERTIFICATIONS

JavaScript Basic   July 2023
Hackerrank (Credential ID: 8DA329CB1183)

Eloquent ORM Laravel   February 2022
BuildWith Angga (Credential ID: BJDFEZ3NIV)

Laravel: Backend for Designer   January 2022
BuildWith Angga (Credential ID: HSZTDMZB26)

Dasar HTML dan CSS   February 2020
Codepolitan (Credential ID: WAO8ZWM)

Re-Cloud Challenges Indonesia 2021   January 2020
Codepolitan (Credential ID: ACLO05210300047671)

Belajar Dasar Pemrograman   September 2019
Dicoding Indonesia (Credential ID: N9ZOEGWVRXG5)