AVAN FABIAN DANISWARA

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WORKING EXPERIENCE

Website Developer, Exoria Data Store | December 2023 – April 2024
- Developed responsive e-commerce frontend using Bootstrap and Javascript for website template marketplace
- Successfully completed more than one template sales through implementation of secure payment gateway and optimized product listings.

Website Developer, Hackfest Competition Team | December 2023 – February 2024.
- Developed a diabetes prediction platform using Laravel and Flask, integrating credible datasets to deliver impactful health solutions.

Website Developer, University Team Project | February 2023 – May 2024
- Built SchEdu, a Virtual Learning Environment leveraging Next.js, Prisma, and NextAuth to create a dynamic platform for interactive quizzes, progress tracking, and level-based learning.
- Designed RumahSaladFaqiha, a small-scale e-commerce website built with Laravel, enabling an MSME partner to sell products and manage payments efficiently in a localized market.
- Created JelajahNusantara, an engaging Laravel-based educational website celebrating Indonesian culture through interactive features, rich content, and a seamless user experience.
- Developed PromptWorld, a platform for organizing and sharing GPT prompts, featuring user-friendly search, prompt categorization, and secure user authentication for personalized experiences.
- Developed CryCast, a machine learning-based backend website platform for dynamic cryptocurrency price prediction using the Naive Bayes algorithm.

Data Scientist, IDX Partners | March 2024 – April 2024
- Developed machine learning model predicting credit risk using historical lending data, achieving around 80-90% accuracy in identifying high-risk applications.
- Engineered features from loan application data and implemented credit scoring system using Python, scikit-learn, and XGBoost,

App Developer, Academic Research Project | February 2024 – October 2024
- Built integrated post-stroke rehabilitation system combining kotlin based mobile app with IoT sensors (Arduino Nano, ESP32) for real-time vital signs monitoring.

Presenter, Academic Research Project | February 2024 – October 2024
- Presented innovative rehabilitation system at PIMNAS 37 (Indonesian National Student Scientific Week), demonstrating IoT integration and clinical applications.
- Successfully defended research methodology and implementation to national judging panel, highlighting potential impact on stroke patient care.

App Developer, Academic Research Project | April 2024 – October 2024
- Developed REST API using Laravel for pregnancy exercise monitoring application, implementing secure endpoints for user authentication, real-time exercise tracking, and calorie calculations based on pregnancy conditions. Designed efficient database schema to handle user profiles, exercise logs, and activity metrics, ensuring seamless data flow between mobile app and backend services.
- Developed responsive mobile app interface with Flutter, implementing flutter provider state management for seamless data synchronization with backend services.

App Developer, Academic Research Project | October 2024 – January 2025
- Developed offline German language learning mobile application using Flutter framework and JSON based for local data storage.
- Implemented interactive learning features including vocabulary exercises, grammar lessons, and pronunciation practice.
- Designed intuitive user interface with offline-first architecture, ensuring seamless learning experience without internet connectivity

ORGANIZATION EXPERIENCE

Technical Core Team of Machine Learning Division, Google Developer Student Clubs, Universitas Negeri Malang | October 2023 – October 2024
- Designed and delivered comprehensive ML/AI study materials for Study Jam sessions.
- Mentored fellow students in applying ML/AI concepts and techniques.

Technical Core Team of Machine Learning Division, Google Developer Group on Campus, Universitas Negeri Malang | October 2024 – Present
- Spearheading the development of an impactful final project, focusing on innovative solutions in collaboration with other technical divisions.
- Designing and delivering ML/AI study materials for Study Jam to foster student engagement and knowledge.
- Organizing and hosting hands-on ML/AI workshops to encourage peer-to-peer learning and skill development.

Student Creativity Program Center, Mentor of Karsa Cipta Field, Universitas Negeri Malang November

2024 – Present
- Mentored student teams participating in the Karsa Cipta category of the Student Creativity Program, guiding them in innovation-based project development.
- Assisted mentees in refining proposals, conducting research, and preparing for presentations at the national level.
- Provided strategic insights to enhance the feasibility and impact of innovative project ideas.

EDUCATION
Bachelor of Informatics Engineering

Universitas Negeri Malang, Faculty of Engineering | August 2022 – Present | GPA 3.61 out of 4.00
- **Research Assistant (April 2024 – October 2024)**
  Contribute research under Laras Putri Gamagitta, S.Keb.,Bd.,M.Keb. About a Smartphone Mobile App as a Pregnancy Monitoring Journal to Support Obesity Reduction in Urban Pregnant Women.

SKILLS

Soft Skills: Time Management, Team Collaboration, Analytical Thinking, Problem-Solving, Detail-Oriented
Hard Skills: Back-end Development (Laravel), Front-end Development (React.js, Flutter), RESTful API Development, Database Design, Version Control
Tools: Laravel, React.js, Flutter, Git, Github, Postman, MySQL, VS Code
Languages: English (Passive), Bahasa Indonesia (Native)

KEY ACHIEVEMENTS

Gold Medal, Tech & Trade Expo 2024 – Universitas Negeri Malang
- Developed a website based invoicing platform with AI for MSMEs, streamlining business processes.

Silver Medal, PIMNAS 37th (2024) – Universitas Negeri Malang
- Built integrated post-stroke rehabilitation system combining mobile app with IoT sensors (Arduino Uno, ESP32) for real-time vital signs monitoring.

Participant Certificate, Hackfest (2024) – Google Developer Students Club
- Developed a diabetes prediction platform using Laravel and Flask, integrating credible datasets to deliver impactful health solutions.