

ALRIDHO

Curriculum Vitae

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EDUCATION

Hasanuddin University, Makassar | *Physics* **2021 -**

- Area of Interest: ELeCtronics and Instrumentation Physics
- Current GPA: 3.88
- Related Completed Coursework: Machine Learning, Numerical Method, Mathematics Introduction to Internet Programming, Microcontroller, Microprocessor, Internet of Things.
- Assisted in the Electronics Physics and Microcontroller Lab Class
- One of the representatives of the physics department in the international accreditation interview.
- Committee Member in Various Events: Blood Donation Program for KKN in Kab. Soppeng, National Physics Seminar, and Physics Department Colloquium.

EXPERIENCE

Web Developer **Jan 2024 -**
Freelance *Makassar*

- Developed a Fullstack Website for the Physics Department at Hasanuddin University. Stack: SvelteKit, TailwindCSS, shadcn/ui, PayloadCMS, Vercel, and AWS EC2
- Created a Landing Page for the National Physics Seminar. Stack: SvelteKit, Tailwind, and Vercel.

Bangkit Academy - Machine Learning Path **Feb 2024 - Jul 2024**
MSIB - Independent Study *Online*

- Studied machine learning, covering mathematical fundamentals, algorithm development, and deployment to the cloud.
- Collaborated with a team to develop an Android application integrating machine learning.
- Graduate with distinction.

CERTIFICATION

Bangkit Academy Graduate with Distinction Certificate

DeepLearning.AI - Machine Learning Specialization

DeepLearning.AI - Mathematics for Machine Learning and Data Science

DeepLearning.AI - TensorFlow Developer

DeepLearning.AI - TensorFlow: Data and Deployment

DeepLearning.AI - TensorFlow: Advanced Techniques

SKILLS & INTERESTS

Web Development: JavaScript/TypeScript, SvelteKit, React/Next.js, TailwindCSS, shadcn/ui, FastAPI, and Headless CMS (WordPress, PayloadCMS).

Machine Learning: Python, TensorFlow/Keras, scikit-learn, Numpy, Matplotlib/Seaborn, Pandas, and PyTorch

Misc: Linux, Bash, C/C++/Arduino, and Latex.

Interests: I have a strong passion for the physics and mathematics underlying machine learning algorithms. I also enjoy keeping up with developments in web development. I use Linux as my daily driver, enjoy tinkering with its systems, and have a love for books, especially fantasy genre.

PROJECTS

Jentara - Jelajah Nusantara App | *GitHub* 2024

- Travel Recommendation app using sentiment analysis.
- Implemented a machine learning pipeline and API development. Collected datasets by scraping Google Maps, utilized a pre-trained IndoBERT model for building the machine learning algorithm, and deployed the model as an API using FastAPI. The prediction workflow involves users sending GET requests for tourist attraction reviews via the Google Maps API, which are then posted to the deployed machine learning model for inference.