

RAIS ILHAM NUSTARA

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ABOUT ME

Final-year student pursuing a major in Information Systems at Universitas Airlangga. Proficient in web development, android application development, and machine learning, I am a motivated individual passionate about leveraging technology to address real-world challenges. Dedicated to continuous learning and the implementation of innovative solutions.

WORK EXPERIENCE

IT Developer Intern

PT United Tractors Tbk

Jakarta, Indonesia

Aug 2023 – Dec 2023

- Selected as an IT Developer Intern for MSIB Batch 5 at United Tractors from among 11.582 registered applicants (0.8% acceptance rate)
- Developed a web-based asset tracking system for United Tractors' CHCU Division using the Laravel Framework, resulting in effective asset management processes.
- Integrated PEST testing framework to ensure robustness and reliability of the system. Conducted comprehensive testing to guarantee accurate functionality and data integrity

Web Developer Intern

PT PLN (Persero)

Surabaya, Indonesia

Jan 2023 – Apr 2023

- Developed a web-based assessment platform for PLN UID Jawa Timur using Laravel framework and Tailwind CSS, resulting in a more efficient and effective assessment process for over 2000 employees.
- Ensured the scalability of the platform by optimizing resource utilization and implementing best practices, resulting in a system that can handle a large number of users while maintaining optimal performance.
- Collaborate with stakeholders and other developers to gather requirements and continuously improve the platform to meet the evolving needs of the organization.

Android Developer

BPMPK, Kemdikbudristek RI

Semarang, Indonesia

Jul 2021 – Dec 2021

- Successfully developed android applications utilizing C# programming language and Unity software
- Working in collaboration with the drafting team and material reviewers to ensure the highest level of quality and accuracy in the final product.
- Troubleshoot and debugged issues that arose during the development process to ensure smooth operation and functionality of the applications.

EDUCATION

Universitas Airlangga

S.Kom. in Information System; GPA: 3.72/4.00

Surabaya, Indonesia

Sept 2020 – Present

- Bangkit Academy 2023 By Google, GoTo, Traveloka - Machine Learning Learning Path

ACHIEVEMENT

Pendanaa P2MW kategori Bisnis Digital; Finalist | [link](#)

August 2023

Speaker in HackFest WorkShop about Flutter State Managemet (GDSC Unair) | [link](#)

March 2023

IDCamp Scholarship Track Android Developer Advanced Level; Awardee | [link](#)

February 2023

IDCamp Scholarship Track Android Developer Intermediate Level; Awardee | [link](#)

September 2022

DIY Governor's Achievement Award (Anugerah Prestasi); Awardee | [link](#)

November 2018

National Level Kihajar Mobile Application Competition; 2nd Place | [link](#)

October 2018

PROJECTS

(More project in raisilham.com/portofolio.pdf)

Auto Exploratory Data Analysis (WebApp + Python)

June 2023

- Created an automated exploratory data analysis web app capable of accepting user files as input and outputting a detailed EDA. This includes various graphs, descriptive analysis, and quantitative analysis, capable of analyzing both continuous and categorical/text data.
- Implemented a dashboard accessible via the web using Flask, Python, and Dash (a Python framework). This resulted in an easy-to-access platform providing detailed analysis.
- Project Link : link.raisilham.com/autoEDA

Agronify Images Classification Model (Machine Learning)

June 2023

- Created an advanced deep learning model for image classification, specifically designed to detect leaf diseases in various plantations across Indonesia.
- Successfully implemented a state-of-the-art deep learning architecture, utilizing the MobileNet framework, to develop eight different image classification models. Achieved an average accuracy of 98% and a minimal 4% loss in the models' performance, showcasing their effectiveness in accurately classifying leaf diseases.
- Project Link : link.raisilham.com/agronify

Jamur / Struktur Tubuh Jamur (Android App)

Dec 2021

- Developed an android using C# programming language and Unity software, at the request of Balai Pengembangan Multimedia Pendidikan dan Kebudayaan (BPMPK) Kemdikbudristek RI.
 - Utilized Figma to design visually appealing and user-friendly interfaces for the application, ensuring optimal user experience and engagement.
- Project link link.raisilham.com/android-vlab

AksaraKu Android App (Andoird App)

Oct 2018

- Successfully developed a 'Aksara Jawa' learning application using Java programming language and Android Studio software.
 - The application achieved second place in the National Kihajar Application Competition 2018, organized by Balai Pengembangan Multimedia Pendidikan dan Kebudayaan Kemdikbudristek RI.
- Project Link link.raisilham.com/android-aksaraku

SKILLS

Programming & DB: Kotlin, Java, C++ , PHP, Python, MATLAB, R, LaTeX, Go , Javascript, PostgreSQL, MySQL, MongoDB

Frameworks / Library: Tensorflow, Flutter, Laravel, Vue, TailwindCSS, Flask

Developer Tools: Tabelau Dekstop, Archimate, Android Studio, Unity, QGis, Docker, Jupyter Notebook, Git, Metabase

CERTIFICATES

TensorFlow Developer Certificate | [link](#)

2023 - 2026

The certificate program requires an understanding of building TensorFlow models using Computer Vision, Convolutional Neural Networks, Natural Language Processing, and real-world image data and strategies.

Fundamentals of Android Application | [link](#)

2022 - 2025

Layout, Navigation, Background Threads and Networking, Android Architecture Components, APIs, Local Data Persistence, Background Tasks and Schedulers

ORGANIZATIONS

HIPMI Perguruan Tinggi Universitas Airlangga

Jul 2023 – Present

Staff of Media and Information Division

Surabaya Dev

Jan 2023 – Present

Dev Team / Mentor

Google Developer Student Clubs Unair

Sept 2022 – Jul 2023

Curriculum Core Team

AjakJago

Dec 2022 – April 2023

Web Development Manager

Himpunan Mahasiswa Sistem Informasi Unair

Dec 2021 – Dec 2022

Expert Staff of Media Division