

# RAIS ILHAM NUSTARA

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## ABOUT ME

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Fresh graduate with a major in Information Systems from 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

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### 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

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### 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

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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

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(More project in [raisilham.com/portofolio.pdf](https://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](https://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](https://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](https://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](https://link.raisilham.com/android-aksaraku)

## SKILLS

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**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

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### 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

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### 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*