

# RAIS ILHAM NUSTARA

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## SUMMARY

Highly motivated student with experience in Web development, Android application development, and Machine learning. Passionate about learning and implementing new technologies to solve real-world problems

## WORK EXPERIENCE

### Web Developer Intern

Surabaya, Indonesia

PT PLN (Persero)

Jan 2023 – Apr 2023

- Developed a web-based assessment platform for PLN Jawa Timur employees using Laravel, Node.js, MySQL, LDAP, Tailwind CSS, and PHP, 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.
- Collaborated with stakeholders and other developers to gather requirements and continuously improve the platform to meet the evolving needs of the organization.

### Web Designer Intern

Surabaya, Indonesia

Faculty of Science and Technology, Universitas Airlangga

Sept 2022 – Dec 2022

- Implementing designs provided by the design team into the Wordpress platform for the website of the Faculty of Science and Technology.
- Continuously updating and maintaining the website, including but not limited to, troubleshoot and fix bugs, and ensure compatibility with different browser and devices.
- Implementing the designed layout and elements into the website fst.unair.ac.id.

### Android Developer

Semarang, Indonesia

BPMPK, Kemdikbudristek RI

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

Surabaya, Indonesia

S.Kom. in Information System; GPA: 3.73/4.00

Sept 2020 – Present

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

## ACHIEVEMENT

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

### Agronify Images Classification Model

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.
- This Project Was part of Bangkit Academy 2023 Capstone Project

<b>Sentiment Analysis SVM Model</b>	2022
<ul style="list-style-type: none"> <li>Investigated public sentiment towards the police using a lexicon-based method and a support vector machine (Case Study: The Kanjuruhan Tragedy and the Ferdy Sambo).</li> <li>Successfully mined and analyzed a dataset of 19,523 tweets related to the study case, resulting in a sentiment analysis of 76.12% negative and 23.88% positive. Utilized the data to develop a Support Vector Machine (SVM) model, achieving an accuracy rate of 79.09%.</li> <li>This research was conducted for the GEMASTIK 2022 Competition</li> </ul>	
<b>Surabaya Dev Landing Page</b>	2022
<ul style="list-style-type: none"> <li>Developed the landing page using Tailwind CSS and Astro Framework, resulting in a user-friendly landing page for Surabaya Dev community.</li> <li>Designed and created visually appealing landing page designs for the Surabaya Dev community using Figma.</li> </ul> Project Link : <a href="https://raisilhamn.github.io/astro-tailwind">raisilhamn.github.io/astro-tailwind</a>	
<b>Jamur / Struktur Tubuh Jamur Android App</b>	2021
<ul style="list-style-type: none"> <li>Developed an android using C# programming language and Unity software, at the request of Balai Pengembangan Multimedia Pendidikan dan Kebudayaan Kemdikbudristek RI.</li> <li>Utilized Figma to design visually appealing and user-friendly interfaces for the application, ensuring optimal user experience and engagement.</li> </ul> Project link <a href="https://bit.ly/ME21VLAB10">bit.ly/ME21VLAB10</a>	
<b>Aksara Ku Android App</b>	2018
<ul style="list-style-type: none"> <li>Successfully developed a 'Aksara Jawa' learning application using Java programming language and Android Studio software.</li> <li>The application achieved second place in the National Kihajar Application Competition 2018, organized by Balai Pengembangan Multimedia Pendidikan dan Kebudayaan Kemdikbudristek RI.</li> </ul> Project Link <a href="https://bit.ly/ME18LOMPO2">bit.ly/ME18LOMPO2</a>	

## TECHNICAL SKILLS

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**Programming:** Kotlin, Flutter, Java, C++, PHP, Python, MATLAB, R, LaTeX, Javascript

**Frameworks:** Tensorflow, Laravel, React, Astro, Vue, TailwindCSS

**Developer Tools:** Tabelau Dekstop, Archimate, Android Studio, Unity, QGis, Docker

## CERTIFICATES

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<b>DeepLearning.AI TensorFlow Developer</b>   <a href="#">link</a>	2023
<i>Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning, Convolutional Neural Networks in TensorFlow, Natural Language Processing in TensorFlow</i>	
<b>Machine Learning Specialization</b>   <a href="#">link</a>	2023
<i>Supervised Machine Learning: Regression and Classification, Advanced Learning Algorithms, Unsupervised Learning, Recommenders, Reinforcement Learning</i>	
<b>Mathematics for Machine Learning Specialization</b>   <a href="#">link</a>	2023
<i>Linear Algebra, Multivariate Calculus, Principal Component Analysis</i>	
<b>Fundamentals of Android Application</b>   <a href="#">link</a>	2022
<i>Layout, Navigation, Background Threads and Networking, Android Architecture Components, APIs, Local Data Persistence, Background Tasks and Schedulers</i>	

## ORGANIZATIONS

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<b>Surabaya Dev</b> Dev Team / Mentor	Jan 2023 – Present
<b>Google Developer Student Clubs Unair</b> Curriculum Core Team	Sept 2022 – Present
<b>AjakJago</b> Web Development Manager	Dec 2022 – April 2023
<b>Himpunan Mahasiswa Sistem Informasi Unair</b> Expert Staff of Media Division	Dec 2021 – Dec 2022