

# RAIS ILHAM NUSTARA

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## WORK EXPERIENCE

### PT PLN (Persero)

Surabaya, Indonesia

*Full Stack Developer Intern*

*Jan 2023 – Present*

- 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.

### Faculty of Science and Technology, Airlangga University

Surabaya, Indonesia

*Web Designer, Intern*

*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.

### BPMPK, Kemdikbudristek RI

Semarang, Indonesia

*Android Developer, Contract*

*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

### Airlangga University

Surabaya, Indonesia

*S.Kom. in Information System; GPA: 3.76/4.00*

*Sept 2020 – 2024 (Expected)*

## ACHIVEMENT

**IDCamp Scholarship Track Android Developer Advanced Level;** Awardee

December 2022

**IDCamp Scholarship Track Android Developer Intermediate Level;** Awardee

September 2022

**DIY Governor's Achievement Award (Anugerah Prestasi);** Awardee

November 2018

**National Level Kihajar Mobile Application Competition;** 2nd Place

October 2018

## PROJECTS

### Sentiment Analysis

2022

- 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).
- 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 72.09%.

### Surabaya Dev Landing Page

2022

- Developed the landing page using Tailwind CSS and Astro Framework, resulting in a user-friendly landing page for Surabaya Dev community.
  - Designed and created visually appealing landing page designs for the Surabaya Dev community using Figma.
- Project Link : [raisilhamn.github.io/astro-tailwind](https://raisilhamn.github.io/astro-tailwind)

### Bank Personal Loan Modelling

2021

- Successfully developed and implemented a model using supervised learning techniques to predict the approval of personal loans from a bank. Achieving an accuracy of 94.7% using logistic regression, 94.9% using K-NN, 87.9% using Naive Bayes, and 91.1% with RBF, 92.3% with Poly, and 87.1% with Sigmoid using SVM.
- Concluded that logistic regression algorithm had the highest accuracy and was the best fit for the project, resulting in an effective and reliable model for loan approval predictions.  
Project link [github.com/dscunair/machine-learning-projects](https://github.com/dscunair/machine-learning-projects)

#### Jamur / Struktur Tubuh Jamur Android App

2021

- Developed an android using C# programming language and Unity software, at the request of Balai Pengembangan Multimedia Pendidikan dan Kebudayaan Kemdikbudristek RI.
- Utilized Figma to design visually appealing and user-friendly interfaces for the application, ensuring optimal user experience and engagement.  
Project link [bit.ly/ME21VLAB10](https://bit.ly/ME21VLAB10)

#### Aksara Ku Android App

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 [bit.ly/ME18LOMP02](https://bit.ly/ME18LOMP02)

### TECHNICAL SKILLS

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

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

**Developer Tools:** Tabelau Dekstop, Archimate, Android Studio, Unity, QGIS

### CERTIFICATES

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#### Principles of SOLID Programming | [link](#)

2022

*Object-Oriented Programming (OOP), Relationships in OOP, Software Design Principles, S.O.L.I.D*

#### Fundamentals of Android Application | [link](#)

2022

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

#### Supervised Machine Learning: Regression and Classification | [link](#)

2022

*Supervised Learning, Linear Regression , Logistic Regression for Classification, Regularization to Avoid Overfitting, Gradient Descent*

#### Learn to Create Cognitive Applications | [link](#)

2022

*IBM Cloud, Watson Assistant, Machine Learning - Watson Discovery*

#### Getting Started With Programming in Kotlin | [link](#)

2022

*Kotlin Fundamental, Control Flow, Data Classes and Collections, Kotlin Functional Programming, Kotlin Object-Oriented Programming, Kotlin Generics, Introduction to Coroutines*

#### Learn to Create Basic Android Applications | [link](#)

2022

*Activity, Intent, Views dan ViewGroup, Style dan Theme, RecyclerView*

### ORGANIZATIONS

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#### Surabaya Dev

*Dev Team / Mentor*

*Jan 2023 – Present*

#### AjakJago

*Web Development Manager*

*Dec 2022 – Present*

#### Google Developer Student Clubs Unair

*Curriculum Core Team*

*Sept 2022 – Present*

#### Himpunan Mahasiswa Sistem Informasi Unair

*Expert Staff of Media Division*

*Dec 2021 – Dec 2022*