

Laurens Fernando Pasaribu

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[Linkedin](#) | [Github](#) | [Portfolio](#)



A recent Bachelor of Computer Science (S.Kom, GPA 3.82) graduate from Universitas Gunadarma. Experienced in developing more than five mobile applications and designing interactive and responsive user interfaces (UI/UX). Skilled in building several machine learning models with proven accuracy improvements. Proficient in creating analytical dashboards for monitoring and reporting using Power BI and Google Data Studio, as well as managing and analyzing data with SQL, BigQuery, and Microsoft Excel. Gained hands-on experience in IT Support at the Ministry of Foreign Affairs, covering multimedia operations and network troubleshooting. Highly motivated to learn new technologies, adaptable to change, and committed to continuous growth in the field of information technology and data analysis.

EDUCATION

Universitas Gunadarma - Bachelor of Computer Engineering with GPA 3.82

June 2021 – Agustus 2025

EXPERIENCE

Bangkit Academy led By Google, Tokopedia, Gojek, & Traveloka

February 2024 – July 2024

- Completed the Android Development curriculum from beginner to expert level, covering Kotlin, UX Design Fundamentals, SOLID Principles, and Machine Learning for Android.
- Developed multiple Android applications, including an OCR App, a Story App, and a Skin Disease Detection App with REST API integration and machine learning deployment.
- Collaborated in a cross-functional team during the capstone project to design and build a functional Android application.

Artificial Intelligence In Industry 4.0 For Medical Device Industry

September 2024 – December 2024

- Built medical image classification model (MobileNetV2) with >90% accuracy on Kaggle dataset.
- Collaborated in a cross-functional team of 6 engineers, delivering final project 1 week ahead of deadline.

Ministry of Foreign Affairs of the Republic of Indonesia

1. Intern of Sekretariat Direktorat Jenderal Protokol dan Konsuler

October 2024 – December 2024

- Participated in the cooperation agreement process by reviewing draft agreements and attending stakeholder meetings.
- Contributed to public awareness initiatives on citizen protection by creating impactful media and communication materials, including social media content, infographics, and posters.
- Supported the implementation of face-to-face consultations and managed data related to Indonesian citizens facing issues abroad, ensuring proper follow-up actions and maintaining accurate records.
- Analyzed contemporary threats to the protection of citizens overseas, reviewed international case studies to summarize insights, and identified potential areas for alignment or actionable recommendations to enhance future citizen protection strategies.

2. Information Technology Support Engineer

Januari 2025 – March 2025

- Operated multimedia systems for hybrid and online events, including camera setup, OBS Studio configuration, and audiovisual integration to ensure smooth and professional sessions
- Repair internet network connections on Cisco and Fortinet switch access ports
- Implement Kaspersky Endpoint Security antivirus for device security
- Redesigned the UI/UX for the *Gastrodiplomacy 2025 RI* website
- Designed and developed interactive dashboards to visualize and monitor IT and operational data, improving decision-making and reporting efficiency

Project-Based Virtual Internship – Big Data Analytics Intern

- Conducted a comprehensive business performance analysis (2020–2023) using a Top-Down Analytical Approach, starting from a high-level company overview to detailed insights on customer behavior.
- Managed and imported four large datasets (+600K entries) into BigQuery for analytical processing and generated insight tables using complex SQL queries.
- Designed an interactive analytical dashboard in Power BI / Google Data Studio with three core layer. :
 - Macro Level: Analyzed overall performance in terms of transactions, sales, and profit.
 - Meso Level: Evaluated best-selling products, top categories, and their contribution to total sales.
 - Micro Level: Assessed customer loyalty and top-performing branches based on transactions and ratings.

RECENT PROJECT (Github, Portfolio)**Application Developer**

- F.R.I.D.A.Y. (Skin Disease Detection)** - Developed an Android application integrating a MobileNetV2 model (86.6% accuracy) with TensorFlow Lite, metadata storage, and a Gemini-based AI chatbot. Achieved an 83.25% UAT score, demonstrating usability, stability, and feasibility as an. [Link video](#)
- Skin Disease Classification (PT Stechoq Robotika Indonesia)** – Designed and implemented an AI model using MobileNetV2 (CNN) trained on a Kaggle dataset to classify multiple skin conditions (infectious, eczema, pigmentation, acne, benign, and malignant). Applied transfer learning and fine-tuning in Google Colab, resulting in reliable accuracy for early detection and healthcare support. [Link video](#)
- TerraVision** - An application that uses artificial intelligence to help beginners in real estate investment by predicting property prices and providing strategic recommendations. [Link video](#)

Website – personal project

- The creation of an E-Commerce platform specializing in the retail of medical equipment. This website was meticulously crafted utilizing the Niagahoster content management system platform

UI/UX Designer

- UI/UX Design for Gastrodiplomasi Kemlu 2025 – Kementerian Luar Negeri RI 2025
A platform designed to enhance Indonesia's gastrodiplomacy efforts by promoting the country's rich culinary heritage on a global scale. The UI/UX focuses on an engaging, modern, and accessible interface to showcase Indonesian cuisine, facilitate international collaborations, and strengthen cultural diplomacy. (Still in progress).
 [Link Projet](#)

Big Data Analytics – Kimia Farma x Rakamin Academy

Performed an end-to-end business performance analysis (2020–2023) using BigQuery and Power BI, focusing on sales trends, product performance, and customer insights [Link Projet](#)

SKILLS**Soft Skill :**

Project Management, Product Management, Agile, Problem Solving, Leadership, Analytics, Professional Communication, People Management, Critical Thinking, Time Management, Consultation, Team Management, IT Business Analysis

Technical skills :

Android Development, Database, UX Research, UI/UX Design, Technical Support, Network Engineering, Media Communications, Artificial Intelligence, data analytics, 3D Modeling, Business Intelligence (Power BI, Google Data Studio, Tableau), Data Warehousing

Programming Language:

Kotlin, XML, SQL, MySQL, Java, HTML, CSS, Python, PHP

Tools:

Android Studio, Firebase, Gitlab, Github, Figma Design, Google Colabs, Kaggle, postgre Visual Studio code (Utilizing Figma For UI/UX design in applications or web development),
Microsoft Excel, Microsoft Powerpoint, Microsoft Word, Google Play Console, Appstore Connect, 3D Blender, Google Tools (Docs, Sheets, Slides, Form, Classroom, Meet) Wordpress, Laravel, BigQuery

TRAINING & CERTIFICATIONS

- MSIB 6 | Studi Independen, Mobile Development Cohort – Bangkit Academy
[Certification](#) *Feb - Jun 2024*
- MSIB 7 | Studi Independen, AI Specialist - PT. Stechoq Robotika
[Certification](#) *September – December 2024*
- Pusat Teknologi Informasi Dan Kumunikasi Kementerian Luar Negeri
[Certification](#) *Januari – March 2025*
- Big Data Analytics Kimia Farma x Rakamin Academy
[Certification](#) *Oktober – November 2025*
- Belajar Pengembangan Aplikasi Android Intermediate
[Show Credential](#) | Dicoding Indonesia *April 2024*
- Power BI Fundamentals
[Show Credential](#) | Corporate Finance Institute *October 2025*
- Microsoft Power BI Data Analyst
[Show Credential](#) | Microsoft *October 2025*
- Google Business Intelligence
[Show Credential](#) | Google *October 2025*
- Data Analysis with Tableau
[Show Credential](#) | Tableau Learning Partner *October 2025*

Other certificates can be found at the following link: [Show Certification](#)