



# CHRISTOPHER ALFONSIUS CALVIN HARSONO

+62 8123261006 | calvinharsono07@gmail.com | <https://www.linkedin.com/in/calvin-harsono/> | <https://github.com/KelpinHarr>

Surabaya, Indonesia

I'm an Infomatics undergraduate who's always up for learning new things. I'm actively involved in different organizations to sharpen my leadership and communication skills. People usually know me as the cheerful, positive person and a hard worker.

## WORK EXPERIENCES

### PT Izzati Hasanah – Jakarta, Indonesia

Jun 2024 - Present

Mobile App Developer

- Developed mobile application for quotation and employee presence using Flutter and Firebase.
- Creating code documentation and features for a web that has been deployed, as well as conducting testing on the web.

### Institut Sains dan Teknologi Terpadu Surabaya – Surabaya, Indonesia

Feb 2024 - Present

Lecturer Assistant

- Creating mobile app for GDG Surabaya (IOX event) using Flutter.
- Learn how to use Imlware for extracting pdf's texts, tables, images, etc.
- Creating an AI App for Sport Analysis using Flutter, Firebase, and Gemini API.

### Institut Sains dan Teknologi Terpadu Surabaya – Surabaya, Indonesia

Sep 2023 - Dec 2023

Junior Laboratory Assistant

- Gave a brief tutorial for students in the Engineering Faculty before they do their 45-minute time limit lab work assignments
- Helped to grade the students' weekly lab work assignments given by the Senior Laboratory Teaching Assistant.

### PT Zona AI Indonesia – Surabaya, Indonesia

Sep 2024 - Present

Lead Mobile Developer

- Create endpoint for faceswap API and deploy it using Flutter Web and Firebase Hosting.

## EDUCATION

### Institut Sains dan Teknologi Terpadu Surabaya (ISTTS) – Surabaya, Indonesia

Aug 2021 - Present

Bachelor of Informatics Engineering, 3.74/4.00

- Actively involved in numerous campus activities, such as being a chairman on campus orientation activities Freshmen Summit 2023, chairing Retret KMK 2023, and participating in various other campus events as the event division..

### SMAK St. Agnes – Surabaya, Indonesia

July 2018 - July 2021

High School Diploma in Science

## ORGANIZATIONAL EXPERIENCES

### IEEE ISTTS Student Branch

Dec 2023 - Dec 2024

Public Relation

A community that fosters innovation and collaboration among students interested in electrical and electronics engineering, providing a platform for networking and skill development.

- Handle internal and external communication to promote IEEE Student Branch ISTTS activities and initiatives.
- Plan and execute promotional campaigns for events, workshops, and seminars.
- Coordinate with other organizations or sponsors for partnerships and collaborations

### Freshmen Summit 2023

June 2023 - Aug 2023

Event Chair

A Student Orientation Event for the new students of ISTTS that is designed to help incoming new students get to know one another.

- Ensure that the entire committee team is organized and that event preparations are thorough.
- Act as a mediator to resolve any problems that arise during the preparation and on the day of the event, including issues between committees and between participants and committees.
- Facilitate communication between committees and student affairs.

Chairperson

- Organizing members in preparation for the event.
- Seeking sponsors for financial assistance
- Coordinating with the pastor regarding financial needs

PROJECTS

SETON – Android Application (Kotlin)

May 2024 - June 2024

An Android application for managing tasks to connect project managers and their team members.

- Led the development of the front-end application, focusing on user experience and security.
- Collaborated with a cross-functional team, including UX/UI designers and backend developers, to integrate robust features and ensure seamless service delivery.

Bazaar Pelangi Kristus – Android Application (Flutter)

May 2024 - Jun 2024

An Android mobile application for transaction at the Bazaar.

- Coordinated a team of two members in planning, designing, and executing the project from concept to launch.
- Managed the development of key functionalities including product catalog management, shopping cart integration, payment processing, also deploy on play store.

FitNow – Multiplatform Application (Flutter)

Nov 2024 - Jan 2024

A multiplatform application for managing workout schedules, featuring an AI personal assistant to guide exercise movements.

- Coordinated a team of four members in planning, designing, and executing the project from concept to launch.
- Managing the application's workflow and organizing the database using Firebase Firestore.

CURRENT RESEARCH

Document Similarity Checker – Mobile Computing

Jan 2025 - Now

An AI-powered application for detecting document similarity to help prevent plagiarism and support academic integrity.

- Led the front-end development of the mobile application, emphasizing clean UI/UX and secure handling of user-submitted documents.
- Integrated backend services built with Python Flask, which included AI-based similarity models for comparing document embeddings.
- Applied BLoC (Business Logic Component) for state management to ensure a scalable and maintainable front-end architecture.
- Deployed a Milvus vector database on Google Cloud Platform (GCP) to efficiently store and query high-dimensional document embeddings.
- Utilized sentence embedding models (e.g., Sentence-BERT) on the backend to convert textual data into vectors for semantic similarity checks.
- Delivered the application using a cross-platform mobile deployment strategy with real-time access to the AI-powered service.
- Collaborated with a multidisciplinary research team to ensure the AI models align with academic research goals and produce explainable results.

Flutter was chosen as the development framework due to its ability to deliver high-performance applications across multiple platforms (Android, iOS, Web) from a single codebase, ensuring broader accessibility and faster development cycles.

CERTIFICATIONS & ACHIEVEMENT

- Building Transformer-Based Natural Language Processing Applications👍 (2024)
- Azure AI Fundamentals👍 (2025)

ADDITIONAL INFORMATION

- Language : English, Indonesian
- Programming Language : Flutter, Python, C#, PHP, MySql, Javascript, Kotlin, C++, NodeJS
- Hard Skills : Programming Skills, Data Analysis, Project Management Tools Proficiency
- Soft Skills : Leadership, Communication Skills, Time Management, Team Collaboration