HAFID IKHSAN ARIFIN

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SKILLS

- Dart | Flutter | React Native | Swift | SwiftUI | JavaScript | TypeScript | Next.JS | React | Tailwind CSS | Flask | Node | Git | Postman
- Python | Pandas | NumPy | Scikit-learn | TensorFlow | PyTorch | Transformers | C | OOP | GCP | Firebase | Docker | Figma | Adobe
- Mobile | iOS | Front-End | Back-End | Full-Stack | UI/UX | Machine Learning | Deep Learning | Critical Thinking | Problem Solving

EXPERIENCES

MACHINE LEARNING DEVELOPER
Bandung, West Java, Indonesia
Computer Engineering Capstone Project, Telkom University
Sep 2022 – Aug 2023

- Led the design and development of an IELTS Speaking Simulation Application, An Android Application that capable of directly and accurately evaluating IELTS Speaking test simulations so the IELTS test candidate can get rapid assessment direct after simulation and cost-effective almost US$ 49 from the official price of IELTS Simulation.
- Developing an IELTS Speaking Simulation Application for College Capstone Project as a Machine Learning Developer using Python, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, and Transformers.
- Training and Fine-Tuning 4 model for each evaluation metrics in IELTS Speaking test that is Fluency using RNN-LSTM model get the accuracy 99%, Pronunciation using Wav2Vec2 Transformers model get the accuracy 82%, Lexical using DistilBERT Transformers model get the accuracy 62%, and Grammar using T5 Transformers GEC model get the lowest loss 0,562.
- Part of the UI/UX design team to design applications using Figma and the Back-End team to use Machine Learning models that have been trained using Flask.
- Selected as the 2 best capstone design teams as representatives of computer engineering for capstone design presentations at the Faculty of Electrical Engineering in August.

MULTI-PLATFORM AND BACK-END DEVELOPER
Klaten, Central Java, Indonesia (Online)
Dicoding Indonesia
Feb 2022 – Aug 2022

- Top 10 Best Graduates out of 100 participants in Certified Independent Study (SIB) Independent Campus Program batch 2 Learning Path Multi-Platform and Back End Developer at Dicoding Indonesia.
- Learning as Multi-Platform and Back-End Developer at Dicoding Indonesia as part of Certified Independent Study (SIB) Independent Campus Program batch 2.
- Learning to build Multi-Platform application using Dart Flutter, Back-End using Node.js, and UI/UX Design using Figma then implement them by creating Restaurant, Movie, Library applications and UI/UX of Laboratory mobile application.
- Creating mobile application "Bandung Tourism" for Capstone Project as a Front-End Developer using Dart Flutter with clean architecture, BLoC state management and Dependency Injection and UI/UX Designer from Design System, Wireframe, Hi-Fi, and Prototyping using Figma.

ELEMENTARY PHYSICS LABORATORY ASSISTANT
Klaten, Central Java, Indonesia (Online)
Elementary Physics Laboratory, Telkom University
Aug 2020 – Aug 2022

- Teaching Elementary Physics Practicum such as Measurement, Calibration, Motion, Vibration, Sound Waves, Electricity, and Magnetic Induction to more than 100 students in both regular and international classes during 4 semesters.
- Join Information Systems Management Division (MSI) and responsible for making Running Module Elementary Physics Laboratory Practicum 2020/2021 videos, Recruitment Laboratory Assistant videos, and Introduction of Information Systems Management Division videos using Adobe and Figma.
- In the second year, promoted to Leadership Evaluation and Discipline Committee in MSI Division and responsible in Leadership Evaluation and Discipline for 21 members in Information Systems Management Division, making and managing data recapitulation for Elementary Physics Practicum 2021/2022 more than 70 classes at the electrical and industrial faculty in Telkom University using Google Spreadsheet.

EDUCATIONS

TELKOM UNIVERSITY
Bandung, West Java, Indonesia
Bachelor of Engineering
Aug 2019 – Aug 2023
Major in Computer Engineering with cumulative GPA: 3.92 / 4.0

SENIOR HIGH SCHOOL 1 KARANGANOM
Klaten, Central Java, Indonesia
Physical Sciences
Jul 2016 – Jul 2019
Average Score National Examination: 85.75 / 100.0

OTHERS

- **Bronze Award:** Won 3rd Place UI/UX Competition Centurion 2023 *(Feb 2023)*
- **Certifications:** More than 20 programming certifications from Dicoding Indonesia
- **Organization:** Association of Computer Engineering Students and Traditional Javanese Music Club at Telkom University as Information Communication Technology Division *(2019 – 2022)*
- **Interest:** Tech, Design, Science, Music, Film, F1, Football, and Badminton
- **Languages:** Indonesia and English