

# HAFID IKHSAN ARIFIN

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## EDUCATION

### TELKOM UNIVERSITY

*Bachelor of Engineering*

Major in Computer Engineering with cumulative GPA: 3.92 / 4.0

*Bandung, West Java, Indonesia*

*Aug 2019 – Aug 2023*

## EXPERIENCES

### MACHINE LEARNING DEVELOPER

*Computer Engineering Capstone Project, Telkom University*

*Bandung, West Java, Indonesia*

*Sep 2022 – Aug 2023*

- Developed an IELTS Speaking Simulation Application for a College Capstone Project as a Machine Learning Developer from designing the architecture, data collecting, data preprocessing, training models, and use models using Python, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, and Transformers.
- Trained and Fine-Tuned 4 models for each evaluation metric in the IELTS Speaking test that is Fluency using the RNN-LSTM model got an accuracy of 99%, Pronunciation using the Wav2Vec2 Transformers model got an accuracy of 82%, Lexical using the DistilBERT Transformers model got an accuracy of 62%, and Grammar using the 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 the August period.

### MULTI-PLATFORM AND BACK-END DEVELOPER

*Dicoding Indonesia*

*Klaten, Central Java, Indonesia (Online)*

*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.
- Learned as a Multi-Platform and Back-End Developer at Dicoding Indonesia as part of Certified Independent Study (SIB) Independent Campus Program batch 2 and build Multi-Platform applications using Dart Flutter, Back-End using Node.js, and UI/UX Design using Figma then implement them by creating Restaurant, Movie, and Library applications and UI/UX of Laboratory mobile applications.
- Developed 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

*Elementary Physics Laboratory, Telkom University*

*Klaten, Central Java, Indonesia (Online)*

*Aug 2020 – Aug 2022*

- Taught 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 the Information Systems Management Division (MSI) and be 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.
- Promoted to the Leadership Evaluation and Discipline Committee in the MSI Division in the second year and was responsible for Leadership Evaluation and Discipline for 21 members in the Information Systems Management Division, made and managed data recapitulation for the Elementary Physics Practicum 2021/2022 more than 70 classes at the electrical and industrial faculty in Telkom University using Google Spreadsheet.

## PROJECT

### FULL-STACK DEVELOPER

*Personal Website*

*Klaten, Central Java, Indonesia*

*Aug 2023*

- Design and developed a Personal Portfolio Website with dynamic webpage and attractive interface using Next.JS, TypeScript, Tailwind CSS and deployed using Vercel.

## SKILLS

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

## OTHERS

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