

# FAUZIAH REZA OKTAVIYANI

📞 0857-4648-4473 🌐 [frezaoakta.netlify.app](https://frezaoakta.netlify.app) 📩 [fauziahreza123@gmail.com](mailto:fauziahreza123@gmail.com) 💬 Fauziah Reza Oktaviyani



## OBJECTIVE

I believe that the pursuit of knowledge is an endless journey, and as a fresh graduate in information systems, I enter the workforce with enthusiasm and eagerness to apply the knowledge I have gained during my studies. I am committed to continuous learning and growth, ready to explore various fields in the information technology industry, including software development, data analysis, and artificial intelligence, as well as contribute to creating innovative and positively impactful solutions.

## EDUCATION

### Trunojoyo Madura University

B.S. in Information Systems (GPA: 3.81/4.00)

Aug 2019 – Jan 2024

Bangkalan

Thesis: "Klasifikasi Penyakit Alzheimer's Berdasar Citra 3D sMRI Menggunakan CNN-SVM"

- 1st Runner-Up in the National UI/UX Competition – Technotainment | Lv. Regional 2021
- 1st Winner in the National Business Competition – Entrepreneur Camp | Lv. Regional 2021
- Recipient of the Bank Indonesia Scholarship in 2022
- Recipient of the Merdeka Campus x Binar Academy Scholarship for UI/UX Design Studies in 2022

## PROJECTS

### Alzheimer's Disease Classification with 3D sMRI Using CNN-SVM

Role: Data Scientist / Python, Pandas, Matplotlib, Numpy, SimpleITK, Tensorflow

Aug 2023 – Jan 2024

[Project Link](#)

- Collecting all data from ida.loni based on 4 types of Alzheimer's disease.
- Comparing 5 different CNN architectures and integrating them with SVM for Alzheimer's disease classification.
- Achieving the highest accuracy of 93% on the MobileNetV2 CNN model.

### Bike Sharing Analysis

Role: Data Analyst / Python, Pandas, Matplotlib, Numpy

Oct 2023

[Project Link](#)

- Collecting all data from kaggle.
- This project analyzes bike rental data with a focus on weather, seasons, and holidays.

### Book Shelf App

Role: FullStack Engineer / HTML/CSS/JS, Node.js, Hapi.js

Oct 2023

[Project Link](#)

- Developing RESTful API endpoints for CRUD operations on library books, integrating Node.js as the primary framework, and utilizing Hapi.js for efficient development of RESTful APIs.

### Ndakuy Application Planning

Role: UI/UX Designer / Figma

Jul – Aug 2022

[Project Link](#)

- Discovered that there is an 80% difficulty in completing e-simaksi registration, 60% lack of information regarding hiking on certain mountains, and 50% experiencing frustration while queuing for check-in.
- creating the app design a for hikers with features like mountain booking, homestay rentals, articles, and gamification to enhance the hiking experience by providing convenience and engaging elements.

### Drug Classification with Random Forest

Role: Data Scientist / Python, Pandas, Matplotlib, Numpy

Jan 2022

[Project Link](#)

- Collecting all data from kaggle.
- Using the CRISP-DM methodology, developed a drug classification model employing the Random Forest method and deployed it as a Streamlit web application.

## EXPERIENCE

### Trunojoyo Madura University

Laboratory Assistant

Aug 2020 – Jul 2023

Bangkalan

- Teaching various practical courses (programming algorithms, front-end and back-end, object-based programming, database management systems) on a weekly basis.
- Providing assistance to students in understanding the material through assistance sessions.

## SKILLS

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**Languages:** Python, SQL, Java, JavaScript, Kotlin.

**Developer Tools:** Visual Studio, Tableau, PowerBI, PostgreSQL, Git, Figma, Postman, MongoDB UI Client.

**Interest:** Machine Learning, Deep Learning, Web Development with MERN Stack, UI/UX Design.

**Soft Skills:** Design Thinking, Attention to Detail, Communication, and Collaboration.

## ORGANIZATIONS

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### IT Community - Warga Lab UTM

Feb 2022 – Mar 2023

*Warga Lab Coordinator*

- Supervise and oversee laboratory activities, managing a team of approximately 50 lab members.
- Organize and conduct soft skill and hard skill training sessions to enhance the capabilities of lab members.
- Coordinate practicum for 6 courses, ensuring smooth execution and learning opportunities for lab members.

### Generasi Baru Bank Indonesia (GenBI)

Aug 2022 – Apr 2023

*Staff Public Relation and Creative Design*

- Crafting compelling content about GenBI for targeted publication, resonating with readers.
- Utilizing innovative strategies to introduce GenBI to a broad and diverse audience.

### Engineering English Community (EECOM)

Jan 2021 – Feb 2022

*Vice Leader*

- Collaborate closely with the General Leader to oversee and enhance all activities within EECOM, ensuring smooth coordination and successful execution.
- Actively contribute with innovative ideas and strategies to drive the progress and development of EECOM, aiming to achieve outstanding results and exceed expectations.

## CERTIFICATIONS

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Data Science with Python, Sanber Code - Issued Jul 2020

[Certification Link](#)

UI/UX Research and Design, Binar Academy - Issued Aug 2022

[Certification Link](#)

Architecting on AWS, Dicoding - Issued Jul 2023

[Certification Link](#)

Learning to Create Back-End Applications, Dicoding - Issued Aug 2023

[Certification Link](#)

Learning to Create Front-End Applications, Dicoding - Issued Oct 2023

[Certification Link](#)

Learning Machine Learning for Beginners, Dicoding - Issued Oct 2023

[Certification Link](#)