

## ALFRED DEXTER

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Third-year Computer Science undergraduate at Bina Nusantara University, specializing in Software Development with strong foundations in building efficient and user-focused applications. Highly motivated to grow as a developer while exploring interests in Artificial Intelligence.

### EDUCATION

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#### **BINUS UNIVERSITY**

Sep 2023 - Present

*Undergraduate Computer Science Student*

Cumulative GPA: 3.96/4.00

### EXPERIENCE & LEADERSHIP

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#### **STUDENT MENTOR – BINUS MENTORSHIP**

Semester 4 & 5, 2024 – Present

*Mentor*

- Qualified through a competitive process to mentor fellow students for 2 periods.
- Guided mentees by preparing learning materials, providing academic support, and offering 1:1 mentoring.
- Secured scholarship for contributions to student success and peer development.

### PROJECTS

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#### **RESEARCH – SIGN LANGUAGE RECOGNITION (Ongoing)**

2025 – Present

*Paper accepted (revision in progress) at 2025 8th ICICoS, IEEE*

- Led a group research project comparing transfer learning methods for BISINDO Sign Language Recognition.
- Drove core experimentation efforts, ensuring reliable model benchmarking and evaluation.
- Prepared and refined the dataset, delivering clean and consistent data for effective training.
- Conducted in-depth model evaluations, producing insights that shaped the paper's findings.
- Secured acceptance at an IEEE conference by managing the writing and submission process.

#### **GLAMULUS – SMART GLASS PROTOTYPE**

Jun – Jul 2025

*2nd Place, elevAlte Hackathon by Biji-Biji Initiative x Microsoft 2025*

- Developed an IoT-based smart glass to support the deaf community.
- Integrated real-time speech-to-text translation using Microsoft Azure Cloud Services.
- Built the IoT prototype hardware and core functionality.
- Ensured seamless connection between the IoT device and the speech-to-text system.

#### **FACTGAZER - FAKE NEWS DETECTION**

Aug – Dec 2024

*Group project (Led ML model design & optimization)*

- Developed a web-based AI system to classify real vs fake news articles with improved accuracy.
- Implemented and compared multiple ML models, designing an ensemble stacking method.
- Led end-to-end model training, achieving improved classification accuracy across datasets.
- Improved the frontend interface and ensured smooth backend integration for a seamless user experience.

## ACHIEVEMENTS

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- **2nd Place**, elevAlte Hackathon by Biji-Biji Initiative x Microsoft 2025.
- **Top 80 Semifinalist**, AiSee – Smart AI Classroom Monitoring | Samsung Innovation Campus (SIC) Batch 6 (2025).
- **Scholarship Recipient**, BINUS Mentorship Program (2024 – 2025)

## ADDITIONAL

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**Skills:** Java, C, Python, SQL, ASP.NET, HTML, CSS, JavaScript, Machine Learning, IoT Prototyping

**Languages:** English (Fluent), Indonesian (Native)

**Soft Skills:** Leadership, Mentoring & Coaching, Team Collaboration, Problem-Solving, Adaptability, Critical Thinking, Time Management