Clariant Benedictus Tan

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EDUCATION

Bina Nusantara (Binus) University   Tangerang, Indonesia

Sarjana Komputer (S.Kom.), Computer Science (Intelligent Systems Stream)   *Graduation Date: Sep 2027*

GPA: 3.89 / 4.00

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML/CSS, C, Java

Frameworks & Libraries: Next.js, React, Flask, TensorFlow, Scikit-Learn, Pandas, OpenCV

Tools & Platforms: Git, GitHub, Figma, Supabase, Vercel, Netlify, Framer Motion

Soft Skills: Problem-solving, Team Collaboration, Critical Thinking, Fast Learner, Adaptability

PROJECT EXPERIENCE

VISPA—AI Sign Language Learning Platform

UI/UX Designer   *Feb 2025 - Jun 2025*

- Designed the complete user interface and experience in Figma for a full-stack web application that provides real-time, AI-powered feedback on hand gestures.
- Collaborated with the development team to translate prototypes into a functional Next.js and Flask application, gaining insight into the full product lifecycle.

Evaluating CNNs for Traffic Sign Recognition

Researcher & Developer   *Mar 2025 - Sep 2025*

- Co-authored a research paper evaluating the performance trade-offs between deep (ResNet50) and lightweight (MobileNetV3) CNN architectures for real-time ADAS applications.
- Implemented and trained the ResNet50 model using TensorFlow, achieving a test accuracy of 94.16% on the GTSRB dataset.

House Price Prediction Web App

Data Preprocessing Contributor   *Feb 2025 - May 2025*

- Performed intensive data cleaning on a noisy real-world dataset, reducing it from over 3,500 to 2,397 high-quality entries for model training.
- Assisted in the end-to-end development of a Random Forest model (achieving an R^2 of 0.85) and its deployment as a Next.js and Flask web application.

Company Website Modernization

Developer   *Jul 2025 - Aug 2025*

- Redeveloped and modernized a company's outdated website from the ground up using foundational HTML, CSS, and JavaScript to improve brand presence and maintainability.

LEADERSHIP EXPERIENCE

Scholarship Mentor   *Sep 2024 - Aug 2025*

Academic Peer Tutor

- Selected to provide academic assistance and mentorship to 5 fellow undergraduate students over 2 consecutive semesters.
- Achieved a 100% success rate where all mentees demonstrated an increase in their Grade Point Average (GPA) compared to previous semesters.
- Delivered personalized academic tutoring while coaching mentees on effective time management and study motivation strategies.

LANGUAGES

- Bahasa Indonesia: Native
- English: Professional