Nicholas Chandra

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Education

Bina Nusantara University
B.Sc. in Computer Science *GPA: 3.85*   Sep 2021 - Feb 2025

Work Experience

Bina Nusantara University
Subject Coordinator   Jan 2024 - Present

- Managed the curriculum and learning materials for 5 core courses, including Human and Computer Interaction and Computer Vision, ensuring academic standards were met.
- Monitor course implementation, provide guidance to assistants, and address academic concerns.
- Enhanced academic integrity by supervising assistants and implementing a verification process for quiz and exam case creation.

Freelancing
Full-stack Developer, DevOps Engineer, Shopify Developer, Bubble Developer   May 2024 - Present

- Developed, tested, and deployed websites and applications both independently and as part of a team on my spare time.
- Worked as a Full-stack Developer and DevOps Engineer on a real estate internal app using React Native, Express.js, MySQL, and Docker;
- Worked as a Backend developer for an internal e-commerce product and sales analysis website using PHP.

Bina Nusantara University
Full-time Laboratory Assistant   Feb 2023 - Jan 2024

- Taught 7 classes every semester, made practicum exam cases and marked student's exam results.
- Participated in Test Progressive Assistant (TPA) projects, which consists of game development using Unity; desktop application development using Next.js, Electron, and Firebase;
- Web development using React.js, Go, and PostgreSQL; mobile application development using Kotlin; network administration with Ubuntu, Proxmox, Kubernetes, and Cisco Packet Tracer.

Bina Nusantara University
Part-time Laboratory Assistant   Sep 2022 - Feb 2023

- Taught 5 classes for one semester, made practicum exam cases and marked student's exam results.

Skills & Proficiencies

Soft Skills:	Teamwork, Communication, Leadership, Problem Solving, Public Speaking
Programming Languages:	Python, Java, TypeScript, JavaScript, Go, PHP, C, C#, Kotlin, Motoko
Frameworks:	React, Next, Tailwind, Express, Prisma, React Native, GraphQL, R3F, Laravel
Databases:	MySQL, Firebase, PostgreSQL, SQL Server
Tools:	Visual Studio Code, GitHub, XAMPP, Postman, MobaXterm, Docker
AI Tools / Frameworks:	Flask, Hugging Face, OpenAI, Scikit-learn, TensorFlow, Gemini AI
Languages:	English (Fluent), Bahasa Indonesia (Native)

Projects

Official Franke Store *Liquid, CSS, JavaScript, Shopify GraphQL*   https://frankehomesolutionssg.store/
A kitchenware e-commerce website developed for Franke Singapore using Shopify by making a heavily customized Shopify theme which requires numerous modifications to the theme's source code.

Harmony Realty *React Native, Tailwind CSS, Express.js, Docker, WhatsApp API*
A real-estate focused mobile application compatible for both android and iOS users used for internal purposes developed for Harmony Realty using React Native, Tailwind CSS, ExpressJS, Docker for deploying the back-end server, and WhatsApp API for integration with the application's live chat.

GitBee *Next.js, Tailwind CSS, Express.js, Prisma ORM, MySQL*   https://gitbee.apps.binus.ac.id/
A website for my thesis to showcase the work of students from BINUS University School of Computer Science, the website involves students, lecturers, Subject & Content Coordinators, and Head of Programs from the School of Computer Science Department at BINUS University.

faREbook *React, Go, PostgreSQL, CSS, TypeScript, GraphQL*   https://github.com/lLAlAlex/faREbook
A Test Progressive Assistant (TPA) website project made for 23-1 Full-time Laboratory Assistants, the project is a replica of facebook with all of the features included in the original facebook except Facebook Marketplace and Games.

Gama *React.js, Vite, Tailwind CSS, Express.js, Flask, R3F, Leaflet.js*   https://github.com/lLAlAlex/Gama
A cultural learning and preservation platform that empowers communities to contribute, explore, translate, and gamify Indonesian heritage. In a time where languages, traditions, and knowledge are disappearing, Gama helps people reconnect with culture through technology, interaction, and storytelling. It brings fun, inclusivity, and accessibility into cultural learning—ensuring that the spirit of Bhinneka Tunggal Ika continues to thrive.

SignalScribe *React.js, Motoko, Tailwind CSS, Python, Flask*   https://github.com/TheoJustin/sunshinev2
A decentralized finance (DeFi) application built on the Internet Computer Protocol (ICP), enabling users to seamlessly swap tokens without relying on centralized exchanges. What sets SignalScribe apart is its integration of an AI engine using a Hybrid LSTM-GRU model and sentiment analysis model that predicts cryptocurrency price movements by analyzing real-time news sentiment and technical indicators. This empowers users—especially those less experienced—to make smarter, data-driven decisions in volatile markets.

AWARDS & CERTIFICATIONS

3rd Place - Connecting Cultures Track   GarudaHacks 6.0
Our team got 3rd place in Connecting Cultures Track from GarudaHacks 6.0 out of 123 projects submitted and 488 participants by developing Gama, a cultural learning and preservation platform that empowers communities to contribute, explore, translate, and gamify Indonesian heritage by providing AI Services such as Text to Speech and translation to get to know the culture and historical context of it.   July 2025

AI-900: Microsoft Azure AI Fundamentals   Microsoft
Earners of the Azure AI Fundamentals certification have demonstrated foundational knowledge of machine learning (ML) and artificial intelligence (AI) concepts and related Microsoft Azure services.   March 2025

Qualified Project - Open Track   WCHL
Our team is qualified and have proceeded to the next round of WCHL25 (World Computer Hacker League) Hackathon.   July 2025