Jackson Bhakti Gusman

jackson.gusman03@gmail.com | +62 813 9818 8202 | Jakarta, Indonesia

I'm a Computer Science fresh graduate majoring in Intelligent Systems from BINUS University. I'm passionate about developing well-structured and scalable applications, with a strong focus on Python development. I enjoy creating impactful and efficient software solutions, collaborating in a team, learning new technologies, and adapting quickly to new challenges.

EDUCATION

Binus University, Bachelor of Computer Science　　　　　　　　　　　　　Sep 2021 - Sep 2025

Major in Computer Science; Streaming in Intelligent Systems
Current GPA : 3.70
Relevant Coursework : Algorithm and Programming, Data Structures, Algorithm Design and Analysis, Database Technology, Artificial Intelligence, Machine Learning, Deep Learning

SMA Sukses Abadi, Science Major　　　　　　　　　　　　　　　　　Jul 2018 - Jun 2021

- Chairman of the Student Council 2019/2020

EXPERIENCE

Full Stack Developer Intern at PT VEF Solutions Indonesia　　　　　　　Sep 2024 - Oct 2025

PT VEF Solution Indonesia is an information technology company that specializes in the development and implementation of ERP (Enterprise Resource Planning) systems.

- Building custom ERP modules and features based on specific client requirements using Python backend and JavaScript frontend.
- Creating and maintaining REST APIs for system integration and data exchange between ERP modules
- Developing and maintaining ERP systems using Python and JavaScript, with Jinja templating for creating dynamic web interfaces

Coding Instructor at Sukses Abadi School　　　　　　　　　　　　　Sep 2024 - Present

Sukses Abadi School is an educational institution dedicated to the holistic development of students, offering innovative learning approaches that emphasize both academic excellence and character building.

- Teaching foundational programming concepts and basic algorithms to Junior High School and Senior High School students through engaging and interactive learning methods
- Providing comprehensive instruction in front-end web development technologies including HTML5, CSS3, and JavaScript

Data Scientist Intern at PT Kristal Transportasi Indonesia　　　　　　　Feb 2024 - Aug 2024

PT Kristal Transport Indonesia is a new generation logistics provider, built upon a foundation of experience and a commitment to innovation.

- Develop predictive models using Weibull Distribution to estimate the lifetime value of each spareparts, optimizing inventory management, and reducing cost of preparation spareparts
- Build a model that can classify image graph analysis quality control temperature using machine learning model
- Research on custom data models and algorithms that is most suitable to apply in datasets for the organization

ORGANIZATION EXPERIENCE

Promotions Staff of TECHFEST 2023　　　　　　　　　　　　　　　May 2023 - Aug 2023

- Create a promotional caption, share it with several groups or communities to promote our event competition, and get more than 200 participants at the TECHFEST 2023

Treasurer of HIMTI FAREWELL 2023   Jan 2023 - Apr 2023

- As the Treasurer of HIMTI FAREWELL 2023, I was responsible for the strategic planning, meticulous organization, and effective management of all financial transactions associated with the event.

Event Staff of Company Visit HIMTI X BCA 2022   Sep 2022 - Dec 2022

- Make an event rundown, guide participants, and ensure the presence of participants in the event so that no one is left behind.

PROJECTS

Brain Tumor Detection using CNN

- A Deep Learning Project presents the exploration the use of CNN to detect brain tumor from brain scan images. The dataset was obtained from Kaggle which consists of images categorized as healthy or affected by a brain tumor

HIV Classification From SMILES Using Random Forest

- A Machine Learning Project that aims to get the best accuracy percentage of HIV Classification from Simplified Molecular-Input Line-Entry System. The result achieved 99.81 % accuracy using Random Forest Algorithm

Exploring The Performance of XLNet and BiLSTM Models For Clickbait Detection In Online News Headlines: A Comparative Study

- A Natural Language Processing Project presents a comparative analysis of the training and testing results obtained from two different models, BiLSTM and XLNet for detecting clickbait using Online News Dataset, which was retrieved from Kaggle.

Hybrid Deep Learning Model for ALL Detection using ResNet-50 & Vision Transformer

- A Deep Learning project focused on pediatric Acute Lymphoblastic Leukemia (ALL) detection using microscopic blood images. The model integrates ResNet-50 and Vision Transformer architectures to capture both local and global features, achieving 98% accuracy on the C-NMC 2019 dataset.

Recipedia - Mobile Application

- Recipedia is a food recipe information application that aims to help user to search the recipe they want. Made with Android Studio, Java, XML and Firebase.

Book Your Teacher - Mobile Application - UI/UX Design

- A booking application that aims to book nearest private teacher. Made with Figma

ABOBIO - Application Desktop

- ABOBIO is a cinema ticket booking application that aims to facilitate users in reserving tickets at specific locations. Made with Apache Netbeans, JavaSwing, MySQL.

ASTROINFO - Website - Front end

- A project website focusing on astrology information that provide users with comprehensive and accurate details about astrology-related topics. Made with HTML, CSS, SCSS, JS.

JBGShop - E-commerce website

- A full-stack project e-commerce website built with ReactJS, Tailwind CSS, Material UI, MongoDB, ExpressJS, NodeJS, And Vercel.

Website Portofolio - Website

- Only a portofolio website that made using HTML, CSS, JS, Bootstrap

ADDITIONAL

Technical Skills : C, C++, Python, Java, MySQL, HTML, CSS, SCSS, JS, JSON, Android Studio, Firebase, JavaSwing, ReactJS, NodeJS, MariaDB, ExpressJS, TailwindCSS, MongoDB, Git, GIthub, Linux

Languages : Fluent in Indonesia, Conversational Proficieny in English, Basic in Mandarin

Certifications : Machine Learning A-Z™: AI, Python & R (Udemy), Data Science Orientation (Coursera), What is Data Science ? (Coursera), C++ Tutorial for Complete Beginners (Udemy), Introduction to Python Programming (Udemy), Belajar Dasar Pemrograman JavaScript, The 10th International Conference on Computer Science and Computational Intelligence 2025 (ICCSCI)