

Vinandra Adam Saputra

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A recent Informatics Engineering graduate with a deep interest and commitment to continuous development in the IT industry. Armed with experience in designing and building technology-based solutions, I am enthusiastic about taking on challenges and making a real contribution to the team

Education

Universitas Maritim Raja Ali Haji – Tanjungpinang, Kepulauan Riau

August 2021 – September 2025

Bachelor of Engineering (Beng) in Informatics Engineering – 3.74/4.00

Experience

Full-Stack Web Developer | Internship – Kantor Camat Bintan Timur, Kepulauan Riau

July 2024 – August 2024

- Undertook an internship program with a primary focus on developing an information system for the office's needs.
- Designed and developed a full-stack web-based application to digitize the archival process at the office.

Practicum Assistant for Computer Networks Course

February 2024 – July 2024

- Guided students in using network simulation software (Cisco Packet Tracer) and protocol analysis tools (Wireshark).
- Provided technical assistance and troubleshooting to help students effectively solve practicum problems.
- Evaluated practicum reports and provided constructive feedback to enhance students' understanding and technical skills.

Certified Independent Study – Red Hat Certified System Administrator – IBM AI & Cybersecurity

Infinite Learning, PT Kinema Systrans Multimedia - Batam, Kepulauan Riau

August 2023 – December 2023

- Developed a generative AI-based virtual assistant, "Nuraga", as a capstone project using IBM Watsonx.ai
- Completed intensive online courses covering Linux operating systems, system management, automation, and security.
- Acquired skills in system administration, troubleshooting, and system hardening.
- Achieved Red Hat Certified System Administrator (RHCSA) certification upon successful completion of the final exam.

Organizational Experience

Informatics Engineering Student Association – Member of Interest & Talent Division

2022 – 2023

- Designed and developed interest and talent development programs for Informatics Engineering students.
- Contributed to the planning and execution of events, including sport and e-sports competitions, to hone students' non-academic skills.

Projects

Squid Freshness Identification (Thesis Project)

Focused on automated quality control by building a system to automatically identify the freshness of squid from digital images. I implemented a deep learning method, Capsule Network (CapsNet), to achieve a classification accuracy of over 90% on test data.

Real Estate Price Prediction

Developed a system to predict house prices based on their features, such as size, number of bedrooms, number of bathrooms etc using a Backpropagation Neural Network and Multiple Linear Regression.

Nuraga : A Virtual Assistant for Self-Development

Nuraga is an AI-based virtual assistant designed to support the self-development and quality of life of Indonesian youth. This project involved implementing IBM Watsonx.ai and Watson Assistant technologies to build and train a generative AI model, which was then integrated into an easily accessible web platform.

SIMANTAP : Sistem Informasi Manajemen Data Terpadu

SIMANTAP is a digital archive system developed for Kantor Camat Bintan Timur to support efficient data and document management. Created during an internship program, this system aims to improve the accessibility, security, and efficiency of document archiving at the institution.

PalVoice: Palestine Voice

A mobile application developed using Flutter to help voice the struggle of the Palestinian people. The app provides features such as real-time news about Palestine, list of donations and petitions, and a list of boycotted products, with data managed using Firebase Cloud Firestore.

Skills

- **Programming Languages** : Python, PHP, Flutter, HTML/CSS
- **Soft Skills** : Communication, Problem-Solving, Adaptability, Collaboration