Sayyid Nur Cahyo Abdul Jalil
Kediri, Indonesia | +6285708813281 | sayyidnurc123@gmail.com |
https://www.linkedin.com/in/sayyid-nur-cahyo/ |
https://github.com/SayyidNurCahyo | https://nurcahyo-portfolio.vercel.app/

I am an IT enthusiast specializing in full-stack development and data science background. With a background in Statistics and experience in software development, I have strong skills in many programming language, database development, data processing, and software development. I am committed to continuously learning and applying the latest technologies to provide innovative and efficient solutions in the projects I work on.

SKILLS

- Java | Go | JavaScript & TypeScript | SQL
- Spring | React | Vue | Gin | Electron | Tauri
- Python | Tensorflow | RStudio | Tableau | SPSS
- Teamwork | Critical thinking | Problem solving | Time management | Adaptive | Continuous learning.

EXPERIENCE

Intitek Presisi Integrasi - **Tangerang Selatan, Indonesia** (November 2024 - Now)
Fullstack Developer

- Create web & dekstop application and documentation for custom weighing system in industrial factory
- Maintain legacy app and microservices for development and customer
- Deploy for development and production server

Enigma Cipta Humanika - **Malang, Indonesia** (January 2024 - November 2024)
Fullstack Developer Trainee

- Develop skills in creating API service and interactive website with multiple platform
- Create fullstack application with high performance and multiple service with business value
- Collaborate with team to create application that cover business requirement

Bangkit Academy led by Google, Gojek, Tokopedia & Traveloka (February 2023 - August 2023)
Machine Learning Specialization

- Complete courses and problems given in the field of data analysis and machine learning.
- Create an application to detect the severity of Acute Lymphoblastic Leukemia (ALL) patients.
- Perform data analysis, machine learning predictions, and demonstrate data science projects.

Dinas Kehutanan Provinsi Jawa Timur - **Sidoarjo, Indonesia** (July 2022 - August 2022)
Statistician

- Recording of statistical metadata and recommendation forms based on sectoral data at the Forestry Service.
- Making infographics and reporting data in the form of paper at the East Java Province Communication and Information Service.
- Assist the programming sub-section in processing and visualizing data.

EDUCATION

Institut Teknologi Sepuluh Nopember - **Surabaya, Indonesia** (August 2019 - September 2023)
Bachelor Degree in Statistics, 3.23/4.00

SMA Negeri 3 Kediri - **Kediri, Indonesia** (May 2016 - May 2019)
High School, 3.61/4.00

PORTFOLIO

Warung Makan Bahari API & Website (February 2024 - April 2024)

- Built a complete RESTful API using Spring Boot for the Warung Makan Bahari platform, covering features such as user authentication, product management, customer data, table and transaction type, and order processing.
- Implement high-level security with JWT to protect sensitive user data and manage different access for various user roles (Admin, Customer, Super Admin).
- Use PostgreSQL and Spring Data JPA to efficiently manage product, user, and transaction data.
- Implement unit and integration testing using JUnit and Mockito to ensure proper API functionality.

EazyCamp API, Website & Mobile App (May 2023 - May 2023)

- Group project to built a professional multi-platform website for admin purpose and mobile app for customer using Spring, ReactJS and React Native.
- Developed various features required for the platform, including manage guide and customer data, equipment management, nearest branch store location with camping site, and order process with guarantee.
- Implement high-level security with JWT to protect sensitive user data and manage different access for various user roles (Admin, Customer, Guide).
- Use PostgreSQL and Spring Data JPA for relational database repository, with implement unit testing using JUnit and Mockito to ensure proper API functionality.
- Use cart system for customer, and guide can suggest recommendation activity in camping location. Customer also can review and rating the guide and camping places.

Timesheet Management & Approval Timesheet API Website (August 2024 - August 2024)

- Group project to build a website for organizational purpose using Go Gin as API framework and Angular and Tailwind to build interactive website.
- Developed various features including manage submit timesheet for trainer and can edit their timesheet before approved, manage work data and registration user data for admin, approve timesheet by benefit and manager team.
- Implement high-level security with JWT to protect sensitive user data and manage different access for various user roles (Admin, Trainer, Manager, Benefit Team).
- Use PostgreSQL and GORM for relational database repository, and also provide postman collection for testing.
- Use email confirmation and activation link for registration process.
- User can edit their data profile and must upload their signature image for approval, that saved in cloudinary.

COVID-19 Severity Classification based UNAIR Hospital Data (February 2023 - July 2023)

- Collaboration project to study and enhance model prediction based on UNAIR COVID-19 data to give better understanding about patient severity concern using machine learning.
- Build enhanced model using hybrid method Random Forest - Support Vector Machine that combine randomness sampling by RF and great performance classification SVM.
- Use SVM Multiclass that compare One-Against-One and One-Against-All approach with different C and gamma parameter.
- Use k-Nearest Neighbors imputation to handle missing value in patient data and give higher performance.
- Use SMOTE-Tomek Links to handle imbalance data and k-fold cross validation to split training and testing data.

Acute Lymphoblastic Leukemia Severity Classification (May 2023 - July 2023)

- Group project to build mobile application based cloud computing and machine learning model to classify ALL patient severity based on their sample blood.
- Build machine learning model using Convolutional Neural Network that optimize Tensorflow and Keras to classify image dataset.
- Implement sklearn train and test split with label Benign, Early, Pre, Pro and 8 : 2 split scale. Use image segmentation to enhance model with different image angle and rescale the image.
- Implement callback function that will finish the training process in 99% accuracy. Also use 4 convolutional layer with flatten to prevent overfitting.
- Model testing with input sample and unite with cloud computing and mobile app in h5 format model.

CERTIFICATION

- **Enigmacamp** : Backend Developer with Java Spring - Go Gin - C# .Net, Frontend Developer with Angular - ReactJS, Mobile Developer with React Native.
- **Dicoding Indonesia** : Machine Learning & Data Science Development.
- **Cisco Networking Academy** : Big Data Analytics & Programming Essentials in Python.
- **Coursera, Imperial College London, DeepLearning.AI** : Google Data Analysis, Mathematics for Machine Learning, Machine Learning Specialization, Tensorflow Developer.