IQBAL PAHLEVI AMIN

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EDUCATION

University of Indonesia   Aug. 2021 – Present
Bachelor of Computer Science

- Relevant coursework: Data Structure & Algorithm, Linear Algebra, Statistics & Probabilistic, Numerical Analysis, Introduction to AI & Data Science, Image Processing, Natural Language Processing, Database, Human Computer Interaction, Advanced Programming, Software Engineering, Software Engineering Project
- Machine learning cohort in Bangkit Academy 2024 led by Google, Tokopedia, Gojek, and Traveloka

EXPERIENCE

Fakultas Ilmu Komputer, Universitas Indonesia
Teaching Assistant for Introduction to AI & Data Science (5th and 6th semester)   Aug. 2023 – present
- Responsible for creating Lab materials and questions related to pandas and numpy
- Assisted lecturer in grading students' assignments.

Teaching Assistant for Programming Foundations Python (4th semester)   Jan. 2023 – Jul. 2023
- Teaches and assisted 11 students for weekly coding practice in lab
- Responsible creating Lab assignments related to Python list

Teaching Assistant for Calculus (3rd semester)   Aug. 2022 – Jan. 2023
- Assisted in teaching and mentoring more than 100 Calculus students weekly
- Helped lecturers in grading students' assignments and quizzes

Japan Advanced Institute of Science and Technology (JAIST)   Nov. 2023 – Apr. 2024
Research Intern
- Done research in the field of simultaneous speech translation using end-to-end models
- Aimed to develop a faster system for simultaneous speech translation (english – {german, Japanese, Chinese})

HONOR AND AWARDS

[National Level] Finalist Data Analytics Competitions Find IT UGM 2024: Proposed a stacking machine learning model to solve the given problem about customer promotion predictions.

[National Level] Finalist Data Quest Kemenkeu 2023: Leveraging satellite imagery and region income to estimate the economic growth for each region in Central Java.

[National Level] Finalist JOINTS Data Competitions UGM 2023: Developed a CNN to classify fire and non-fire images using ResNet architecture.

SELECTED PROJECTS

Nani Landing Page | *Next.js, Tailwind CSS, Redux, Jest, Sonarcloud, Sentry*
- Developed Nani Agritech landing page website with Next.js, Typescript, Tailwind CSS, and Jest (for TDD)

Todo App Backend | *Golang, Gin, Gorm, PostgreSQL*
- Created CRUD API using Golang Gin with authentication – authorization and PostgreSQL as database

Ecommerce App Backend | *Express.js, Node.js, Typescript, Prisma, Sonarcloud*
- Created backend application of ecommerce with authentication and authorization for user and administrator

Fire Image Detection | *Tensorflow, Keras, CNN, ResNet*
- Created a model to predict fire image by replicating ResNet architecture with 95% accuracy on test data

★ Netflix Landing Page Clone ★ Unsupervised Text Classification ★ Bleached Coral Detection
★ UI's Students's Demographic Data Dashboard ★ Earthquake Damage Detection

VOLUNTEERING EXPERIENCE

RISTEK Fasilkom UI
Lead of Data Science & Analytics SIG   Feb. 2024 – Present
- Assisted the new member of DSA SIG to learning data science and machine learning

Teaching Assistant of Business Intelligence at SISTECH   Jun. 2023 – Aug. 2023
- Guided and mentored 20 mentees along with other teaching assistants

Rumah Belajar BEM UI 18
Staff of Software Engineering (backend)   Feb. 2023 – Present
- Developed CRUD API with authentication and authorization using Gin & Gorm

SKILLS

Programming Languages: Python • SQL • Java • Javascript • Typescript • Go
Data Science Tools: Pandas • NumPy • Matplotlib • Seaborn • Scikit-Learn • Tensorflow • Keras • Pytorch
Back-end Tools: Django • FastAPI • Springboot • Go • Express • Node.js • Docker • PostgreSQL • Prisma • MongoDB
Front-end Tools: React • Next.js • Tailwind CSS • Bootstrap • Chakra UI • Redux
Skills: Frontend • Backend • Full Stack Engineer • Machine Learning Engineer • Data Science • Data Analyst