

IQBAL PAHLEVI AMIN

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I am a highly motivated 20-year-old computer science student with a passion for mathematics and coding. I possess a strong work ethic and an unyielding drive to succeed. The rise of artificial intelligence and machine learning is mesmerizing, that's why I love to learn machine learning. Beside machine learning, I also love to build a website for both frontend and backend. It's very satisfying to build something that I can use.

Education

University of Indonesia – Indonesia Computer Science Relevant Coursework: Calculus, Linear Algebra, Statistics and Probability, Introduction to AI & Data Science, Natural Language Processing, Image Processing, Data Structure & Algorithm, Software Engineering, Platform Based Programming, Databases, Human Computer Interaction, Advanced Programming	2021 – present
MAN 2 Kota Malang – East Java Natural Science	2017 – 2020

Awards and Honors

- **Finalist Joints Data Competition UGM 2023.** JOINTS is data mining competition that organized by Computer Science students of UGM. In the final of Joints Data Competition, we developed a convolutional neural network to classify fire and non fire images using Residual Network architecture.
- **Top 10 Data Quest Kemenkeu 2023.** Data quest is a data analytics competitions that organized by Ministry of Finance of Republic of Indonesia. My team and I proposed a solution by leveraging satellite imagery and region income to estimate the economic growth for each region in Central Java.

Experiences

Fakultas Ilmu Komputer, Universitas Indonesia Teaching Assistant for Introduction to AI & Data Science	August 2023 – present
<ul style="list-style-type: none">• Currently serving as a teaching assistant for Introduction to AI & Data Science during my fifth semester.• Responsible for creating and delivering Lab 1 materials and questions related to pandas and numpy.	
Teaching Assistant for Programming Foundations 1 (Python)	January 2023 – July 2023
<ul style="list-style-type: none">• Served as a teaching assistant of Programming Foundations 1 during my fourth semester.• Teach and assist 11 students weekly for coding practice in lab.	
Teaching Assistant for Calculus 1	August 2022 – January 2023
<ul style="list-style-type: none">• Served as a teaching assistant of Calculus 1 during my third semester.• Assisted in teaching and mentoring more than 100 Calculus 1 students every two weeks with other teaching assistants.	
Japanese Advanced Institute of Science and Technology (JAIST) Research Intern	October 2023 – present
<ul style="list-style-type: none">• Awardee of JST Sakura Science 2024 program for research exchange in JAIST.• Doing research in the field of simultaneous speech translation (english-german, english-japanese, english-chinese) under the supervision of Mr. Tan (JAIST), Ms. Titi (UI), and Prof. Sakti (JAIST).	
RISTEK Fasilkom UI Member of Data Science & Analytics SIG	March 2023 – present
<ul style="list-style-type: none">• Actively involved as a member of Data Science & Analytics SIG at RISTEK.	
Teaching Assistant of Business Intelligence at SISTECH	June 2023 – August 2023
<ul style="list-style-type: none">• Collaborated with a team of four teaching assistants to mentor and guide 20 mentees.	
Rumah Belajar 18 BEM UI Staff of Software Engineering (back-end)	February 2023 – present
<ul style="list-style-type: none">• Developed authentication and authorization using Golang Gin and Gorm.• Created a CRUD API for announcements.	

Organizational Activities

Badan Eksekutif Mahasiswa UI 2022 Staff of Research and Development Bureau	March 2022 – Desember 2022
<ul style="list-style-type: none">• Consultant for two other departments, Multimedia Bureau and Department of Education and Knowledge as a teammate.• Generated and processed 700+ data using Microsoft Excel in Riset Awal Tahun.• Conduct surveys, collect data, and process it using Microsoft Excel to gain useful knowledges.• Delivered strategic solutions for the problems in Multimedia Bureau and Department of Education and Knowledge.	

Additional Information

- **Skills:** Machine learning (numpy, pandas, seaborn, matplotlib, scikit-learn, tensorflow, keras, pytorch), software engineering (react js, next js, chakra ui, tailwind css, express js, spring boot, django, go lang, mongodb, postgresql), git, github, microsoft excel, and google spreadsheet.
- **Interests:** Machine learning & artificial intelligence, full stack development, mobile development.
- **Languages:** Indonesia (native), English