Irsyad Zulfikar

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Innovative **AI Engineer** with extensive experience in data analysis, machine learning, and AI-driven solutions. Proven track record in enhancing recruitment processes and developing advanced AI models. Dedicated to leveraging AI technologies to drive innovation and operational efficiency.

Experience

APRIL 2024 – PRESENT
AI Engineer | Lawencon International | South Jakarta, Indonesia

- Led AI projects, improving candidate shortlisting accuracy by 25%.
- Developed CV parsing and scoring systems, reducing manual review time by 50%.
- Enhanced recruitment workflow with a live coding assessment platform, reducing assessment time by 30%.
- Created AI chatbots handling over 1,000 candidate interactions monthly.
- Created a Virtual Assistant for managing absences and supporting HRIS functions.

AUGUST 2023 – FEBRUARY 2024
Junior AI Engineer| Indonesia AI | Jakarta, Indonesia

- **Developed and applied sophisticated algorithms for artificial intelligence projects**, with a focus on enhancing the accuracy and reliability of automated systems used in real-world applications.
- **Spearheaded the creation of an advanced vehicle detection system**, resulting in highly accurate vehicle identification with a success rate of over 86%, contributing to safer and more efficient traffic management solutions.
- **Innovated a waste sorting AI system that distinguishes between types of waste**, which achieved an accuracy rate of over 82% in identifying organic, inorganic, and hazardous materials, supporting environmental management initiatives.
- **Collaborated effectively with a diverse team of professionals**, leveraging collective expertise to deliver technology solutions that improve company operations and drive innovation.

FEBRUARY 2023 – AUGUST 2023

Computer Vision Bootcamp Batch 1| Indonesia AI | Jakarta, Indonesia

I participated in the Computer Vision Bootcamp Batch 1, where I gained advanced skills in Machine Learning and Deep Learning algorithms. At Indonesia AI, my role involved a range of cutting-edge AI projects, where I applied my expertise to develop innovative solutions using these technologies.

- Automatic Segmentation & Classification of Cardiac MRI: Developed an automatic segmentation and classification system using 2D UNet and a modified approach, coupled with a 2D CNN with ReLU activation for classification, enhancing the diagnostic accuracy of cardiac imaging.
- Face Recognition System: Implemented a state-of-the-art face recognition system using the CelebA dataset, applying advanced convolutional neural networks to achieve high-precision identification. • Person Tracking Initiative: Led the development of a person tracking project, leveraging the COCO dataset to create robust tracking algorithms capable of real-time processing.
- Self-Driving Car Algorithms: Contributed to the creation of autonomous driving algorithms, focusing on real-world application and safety enhancements through computer vision techniques.

JULY 2022 – FEBRUARY 2023

Full Stack Data Science Academy | Full Stack Bangalore (PT SINAR TEKNOLOGI BANGSA) | Jakarta, Indonesia

- Proficient in data science fundamentals, including business understanding, data analysis with Python, data wrangling, SQL for data science, and data visualization.
- Completed real-world projects in customer segmentation, classification, and regression.

FEBRUARY 2022 – JULY 2022

Introduction AI For Gen Z| Orbit Future Academy | Jakarta, Indonesia

Created a classification system for detecting diseases in strawberry leaves using the MobileNetV2 transfer learning technique. Conducted sentiment analysis on app reviews using data processing and machine learning techniques. Developed a web-based facial attendance application with Flask and deep learning models, ensuring a 100% success rate for PT Orbit Ventura.

Key Skills and Expertise

- Advanced proficiency in Python, with extensive experience in specialized AI libraries including OpenCV for image processing, NumPy for numerical data manipulation, PyTorch and TensorFlow for machine learning model development.
- Expertise in Computer Vision with proven skills in Image Classification, Object Detection, and Face Recognition.
- Strong foundation in Data Science with a track record of performing complex data analytics, predictive modeling, and creating insightful data visualizations that drive strategic decisions.
- Experience in managing and executing AI projects with a successful track record in delivering solutions.
- Deep understanding of Deep Learning techniques and their application in real-world scenarios.
- Commitment to professional development, recently completed [**Prompt Compression and Query Optimization courses from DeepLearning.AI**] to stay abreast of the latest advancements in AI and machine learning.

Education

SEPTEMBER 2019 – MARCH 2023

Bachelor of Computer Software Engineering | Telkom University Purwokerto

GPA: 3.8

Cerfitications

Building Systems with the ChatGPT API • Data Wrangling with Python • Exploratory Data Analysis with Python for Beginners • Prompt Engineering with Llama 2&3 • Full Stack Data Science Academy • AI Career Bootcamp for Computer Vision • Supervised Machine Learning: Regression and Classification • Database Programmer (BNSP)