Aryo Bagus Kusumadewa Tutuko
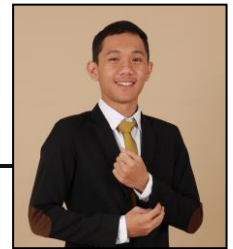
Bachelor of Informatics Engineering

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SUMMARY

- I graduate from *Politeknik Negeri Malang* (State Polytechnic of Malang) with a strong work ethic and experience in academic projects. I have experience in data analysis, particularly in projects I've worked on, I used Python in my thesis titled 'Palm Biometric Identification Using Palm Line Feature Extraction,' which focused on image processing and machine learning. I possess critical thinking skills, adaptability, and the ability to identify problems and provide solutions

EDUCATION

Politeknik Negeri Malang (State Polytechnic of Malang) in 2024

CERTIFICATIONS

Intermediate Excel Certificate

- Dicoding Studio, August 2024

Proficient in Creating Professional Application Databases

- Dicoding Studio, August 2024

Excel Basics Certificate

- Dicoding Studio, August 2024

Python Fundamentals Certificate

- Dicoding Studio, August 2024

Responsive Web Design

- FreeCodeCamp, September 2023

Computer Software Programming

- National Board for Professional Certification (BNSP) 2024

EXPERIENCES

Frontend developer | profile image studio | July 2023 – October 2023

- During my internship at Profile Image Studio, I was a frontend developer, primarily responsible for handling the Road Report project. This role allowed me to enhance my skills in designing and developing user interfaces, ensuring a seamless and responsive user experience across different devices

PROJECTS

Palm Biometric Identification Using Palm Line Feature Extraction (Thesis)

- Palm line feature extraction is used for high-accuracy palm identification with machine learning. This research employs Neural Networks and applies the ROI approach to focus on key palm features like main lines, wrinkles, and ridges. The study achieved 95.2% accuracy in palm line feature extraction and identification using this method

Road Report

- I worked as a frontend developer, specifically focusing on the frontend aspect of the Road Report project. This involved designing and implementing user-friendly interfaces, ensuring responsiveness, and delivering a smooth user experience across various platforms.

PUBLICATIONS

***Rancangan Sangkar Burung Pintar Berbasis IoT* (IoT Based Smart Bird Cage Design) - 2023**

- Aryo Bagus Kusumadewa Tutuko, MS Hidayahtullah, N Hamkah, RA Nilofar, AN Pramudhita

  JTMI (Jurnal Teknologi dan Manajemen Informatika) Vol 9. No 2 (2023)

Application of TOPSIS as a DSS in the Selection of Home Improvement Grant Recipients - 2023

- Aryo Bagus Kusumadewa Tutuko, MS Hidayatullah, UD Rosiani

  JEEMECS (Journal of Electrical Engineering, Mechatronic and Computer Science) Vol 6 No 2 (2023)