



MUHAMMAD MAHAMERU ABIDIN

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Kabupaten Sidoarjo, Jawa Timur (61271)

Fresh Graduate in Informatics Engineering with expertise in full-stack web development (Laravel, Bootstrap, MySQL) and database design (ERD, CDM, PDM). Experienced in designing file management systems, research submissions, and API integration for responsive and efficient web applications. Strong foundation in Data Science, including data analysis, visualization, and predictive model development using Python, R, and SQL. Experienced in machine learning, deep learning, and Natural Language Processing (NLP) to build advanced analytical solutions. Proficient in data visualization tools such as Tableau and Excel. Eager to apply technical and analytical skills to solve real-world challenges. Passionate about learning new technologies and contributing to innovative projects.

Work Experiences

Codveda Technologies - Remote

Mar 2025 – Present

Python Developer Intern

- Developed Python-based applications for data processing and automation.
- Implemented a simple calculator, number guessing game, and word counter application using Python.
- Built a to-do list application using Python, storing tasks in a JSON file with add, delete, and mark as done functionalities.
- Created a web scraper using requests and BeautifulSoup to extract data from websites and save results into CSV format.
- Integrated external APIs to fetch and display data, handling errors and invalid responses efficiently.

Vinix 7 - Remote

Mar 2025 – Present

Data Science Intern

- Conducted data analysis and preprocessing for machine learning models.
- Built predictive analytics models to extract insights and drive business decisions.
- Utilized Python, Pandas, and Matplotlib for data visualization and reporting.
- Assisted in the deployment of machine learning solutions in a production environment.

Institut Teknologi Adhi Tama Surabaya - Surabaya, Indonesia

Aug 2022 – Jul 2024

Programming Language Laboratory Assistant

- Arranging management practicum, including schedule and laboratory workflow for Informatics Engineering students.
- Helping lecturers prepare programming-based practicum questions, evaluation assignments, and processing student grades.
- Provide technical support to students during practicum sessions to ensure the learning process runs smoothly.

Institut Teknologi Adhi Tama Surabaya - Surabaya, Indonesia

Mar 2024 - Jul 2024

Campus Internship Program

- Developing a file management system based on Laravel and MySQL, increasing the efficiency of academic document management.
- Building a research and community service submission system using PostgreSQL, supporting workflow administrative.
- Design basic data architecture to ensure optimal system performance.

Institut Teknologi Adhi Tama Surabaya - Surabaya, Indonesia

Oct 2024 – Jan 2025

Freelance Web Developer

- Developed the LPPM system for research and community service proposal submissions using Laravel, Blade, Bootstrap, and PostgreSQL.
- Improved campus administrative efficiency by automating the submission process and tracking proposal statuses.
- Designed the database architecture to ensure system reliability and performance in handling various submissions.

PT BISA AI Academy - Depok, Indonesia

Feb 2024 – Jun 2024

Data Science Intern

- Conducted data analysis and built machine learning models to extract insights and improve decision-making.
- Performed music genre classification using machine learning techniques.
- Cleaned, processed, and visualized large datasets using Python, Pandas, and Matplotlib.
- Analyzed e-commerce data using Excel and Tableau to identify trends and business insights.
- Developed predictive models to optimize business processes and enhance operational efficiency.

- Collaborated with a team to implement AI-driven solutions for various data-driven projects.

Flashcom Indonesia - Surabaya, Indonesia
Trainerr Web Developer

Oct 2024 - Present

- Trains students in full-stack application development using HTML, CSS, JavaScript, and Laravel.
- Guiding web-based project development and API integration.
- Manage attendance management and student grades during the course.
- Teach Data Analysis, including data processing and visualization using Excel and Python.
- Instruct students in fundamental programming concepts using C++ and Python.
- Introduce optimization techniques in data analysis and programming.

Education Level

Institut Teknologi Adhi Tama Surabaya - Surabaya, Indonesia
Bachelor Degree in Informatics Engineering, 3.79/4.00

Aug 2021 – Feb 2025

- Organization: Secretary of the Association (Information Engineering Association)
- Organization: General Chair (Information Engineering Association)
- Guiding structured programming and data structures as a Programming Language Laboratory Assistant for 2 years.
- Informatics Engineering Laboratory Coordination
- Full-Stack Developer of the LPPM system for submissions for service and research for ITATS campus lecturers.
- Full-Stack Developer of the judicial file collection system for the ITATS campus informatics engineering study program.
- Project: Artificial Intelligence Research on "Implementation of Custom AI Chatbots on ITATS Campus Information Services with NLP Using the Long Short Term-Memory (LSTM) Model"

Organisational Experience

Informatics Engineering Association ITATS - Surabaya
Secretary

Jan 2023 - Dec 2023

- Make a proposal for a work program activity.
- Make a report from the person in charge of completed work program activities.
- Tidying up documents and association documentation.
- Become a note taker or record the results of each meeting.

Informatics Engineering Association ITATS - Surabaya
Chairman

Jan 2024 - Nov 2024

- Create Divisions for each member and Organizational Structure.
- Create an association work program for 1 period.
- Create an activity to improve members' soft skills.

Data Science Indonesia - Indonesia
Member
Artificial Intelligence Community

Mar 2025 – Present

- Engaged in discussions and collaborations related to data science, machine learning, and artificial intelligence.
- Participated in webinars, workshops, and networking events to enhance knowledge and skills in data analytics.
- Contributed to community-driven projects and knowledge-sharing initiatives.

Skills, Achievements & Other Experience

Technical Skills

- Programming & Frameworks: Python, R, MATLAB, Advanced Laravel, Bootstrap, HTML/CSS, JavaScript, PHP, C++, Java, React.
- Machine Learning & Deep Learning: TensorFlow, Keras, Convolutional Neural Networks (CNN), YOLOv8.
- Natural Language Processing (NLP): Pemrosesan teks, Klasifikasi audio.

- Web Development Tools: API Integration, Responsive Web Design, User Authentication Systems, Payment Gateway Integration.
- Visualisasi Data: Tableau, Excel, Streamlit.
- Database Management: MySQL, PostgreSQL, MongoDB.
- Database Design: ERD (Entity Relationship Diagram), CDM (Conceptual Data Model), PDM (Physical Data Model).
- Statistical Analysis: Regresi, Clustering, Segmentasi Data.

Languages

- English

Certification:

- BNSP Junior Web Developer (2023).
- Data Science for Business Professional (DSBIZ) – International Certification (2024).
- Artificial Intelligence for Business Professional (AIBIZ) – International Certification (2024).

Webinar Presenters:

- "Building a User-Friendly ChatBot with Python and NLTK" – Discusses building an interactive and user-friendly chatbot using the Natural Language Toolkit (NLTK) in Python.
- "Increasing the Accuracy of Self-Driving Cars in Recognizing Traffic Signs Using CNN" – Discusses the application of Convolutional Neural Network (CNN) to increase accuracy in recognizing traffic signs in autonomous car technology.

Education & Training

- Merdeka Campus Certified Independent Study (2024): Complete the certified independent study program at BISA AI Academy course focused on Artificial Intelligence Infrastructure, with an average score of 90/100 and a SATISFACTORY rating. Besides, I successfully completed the "Recommendation System to Prevent Diabetes" project and was ranked in the top 5 out of 50 participants.