

SAIDIL HALIM

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Yogyakarta, Indonesia

I am a Software Engineering Technology student at Gadjah Mada University with a passion for exploring new technological advancements. My recent focus has been on machine learning, where I am driven by its transformative potential to solve complex problems and create intelligent systems. Additionally, I excel as a Frontend Engineer, leveraging my skills to design intuitive and dynamic user experiences in various projects.

Experiences

Bangkit Academy 2024 By Google, GoTo, Tokopedia, Traveloka

Sep 2024 - Dec 2024

Machine Learning Cohort

An intensive training program supported by Google, GoTo, and Traveloka, aimed at producing highly skilled digital talent in Indonesia.

- Mastery of Python programming for data analysis and model development and Core mathematical concepts, including linear algebra, probability, and statistics, essential for understanding machine learning algorithms.
- Application of supervised and unsupervised learning techniques, including regression, classification, and clustering, with model evaluation and optimization for improved performance. Hands-on experience with deep learning, utilizing neural networks and advanced architectures like CNNs and RNNs for image processing and sequence data. Completion of a multidisciplinary capstone project to solve real-world problems, collaborating with peers across cloud computing and mobile development tracks, guided by industry mentors.

Project

HandLips

Nov 2024 - Dec 2024

Machine Learning Engineer

- HandLips is a sign language translation project that utilizes three machine learning components: computer vision, natural language processing, and voice recognition. This project aims to assist the deaf and mute community in communicating more effectively with others. The idea was inspired by a team member's experience with a deaf friend, where communication was often challenging due to limited sign language skills on both sides.
- As part of the Bangkit Academy Machine Learning Path, I developed a Computer Vision model aimed at detecting hand gestures using deep learning techniques. This project was a hands-on application of machine learning concepts, combining image processing and real-time predictions.

Atha Mebel-Kahasolusi

Feb 2024 - Jun 2024

Frontend Developer

- Atha Mebel-Kahasolusi is a company profile project for a furniture company. In this project, I served as a frontend developer, implementing designs predetermined by the designer and features specified by the project manager, as well as integrating APIs developed by the backend Developer.
- My role in the Atha Mebel-Kahasolusi project contributed to the creation of a visually appealing and functional company profile website. By effectively translating design concepts into code and seamlessly integrating backend functionalities, the project achieved its objectives of showcasing the furniture company's offerings to potential clients.
- I collaborated closely with the design and project management teams to ensure the accurate implementation of design elements and required features. Utilizing my frontend development skills, I transformed design mockups into responsive and user-friendly web pages.

BPJK-Kahasolusi

Aug 2023 - Dec 2023

Frontend Developer, Data Management

- In the BPJK-Kahasolusi project, I processed data and implemented it into its dashboard, while also adding several features to enhance its functionality.
- My involvement in the BPJK-Kahasolusi project allowed for effective data management and visualization, resulting in an improved dashboard experience.
- Data processing skills were utilized to manipulate and organize the data for optimal utilization within the dashboard. Furthermore, new features were introduced to enrich the dashboard's capabilities, ensuring alignment with the project's objectives.

AUTOMACH

May 2023 - Jun 2023

Frontend Developer

- Automach, developed as the final project for the Web Programming 1 course, is an e-commerce website tailored to the automotive industry.
- Automach serves as a practical application of web programming skills while immersing in the automotive sector, fostering a comprehensive learning journey.
- Through hands-on implementation of web programming principles, Automach integrates specialized features to enhance user experience within the automotive e-commerce domain.

Education

Gadjah Mada University - Yogyakarta

Aug 2022 - Present

Software Engineering Technology

Skills

- **Web Development:** In web development, I have mastered Laravel, Tailwind, Next.js, React.js, Node.js, and I am quite familiar with TypeScript.
- **Machine Learning:** In Machine Learning, I proficiently utilize Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, and TensorFlow for data manipulation, visualization, machine learning, and deep learning tasks.