**R Herick Fauzi Komara Kusumah**

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**About**

A graduate of Informatics Engineering from Universitas Siliwangi, I have a strong enthusiasm for data analysis and information technology. My expertise includes programming, database management, data visualization, and statistical analysis, reinforced by strong analytical and problem-solving skills. I am proficient in using tools such as Python, SQL, and Tableau to process and analyze data to support decision-making. I am motivated to continuously develop my skills in the data field and ready to contribute significantly in a dynamic work environment.

**Pendidikan**

**Siliwangi University** *2020 - 2025*

***Bachelor of Engineering, Informatics***  3.59/4.00

**Pengalaman**

**House of Representatives of the Republic of Indonesia (DPR RI) Jakarta, Indonesia**

**IT Programmer** *February 2024 – June 2024*

* Designed, coded, and tested applications according to user needs as part of the MSIB program.
* Resolved technical issues and optimized system performance to enhance software efficiency.
* Utilized programming languages such as Java, Python, and JavaScript and implemented industry frameworks.
* Applied efficient coding practices, software development lifecycle principles, and Agile methodology.
* Collaborated in team projects, enhancing communication and teamwork skills.
* Studied current trends and technologies in IT under experienced mentorship.

**Generasi baru indonesia Siliwangi University**

**Vice Chairman** *January 2023 – December 2023*

* Coordinated and supervised division activities and work programs.
* Assisted the chairman in executing organizational duties and responsibilities.
* Responsible to Bank Indonesia for program implementation during the management period.

**Entrepreneurship Division Staff** *January 2022 – December 2022*

* Participated in CBP Rupiah socialization and entrepreneurship activities organized by Bank Indonesia.
* Executed all work programs of the GenBI Entrepreneurship Division.

**Department of Communication and Information (DISKOMINFO) Tasikmalaya, Indonesia**

**UI/UX Designer** *August 2023 – October 2023*

* Developed visually appealing and consistent user interface designs.
* Designed user-interface interactions.

**Badan Pengawas Organisasi HMIF Tasikmalaya, Indonesia**

**Chief of Supervisory Commission** *January 2023 – December 2023*

* Led the supervisory commission and evaluated HMIF's organizational performance over the year.

**Informatics Student Association Tasikmalaya, Indonesia**

**Head of Strategy and Advocacy Division** *January 2022 – December 2022*

* Held internal discussions for informatics students to address relevant issues.
* Conveyed student aspirations to the department institution.

**Projects**

**UI/UX Designer**

*SIMPAN SPBE of Tasikmalaya August 2023*

* Led the design of a responsive and visually appealing UI prototype for a government website, ensuring an intuitive and satisfying user experience.
* Analyzed user needs through stakeholder and end-user discussions.
* Collaborated with developers to ensure consistent and efficient design implementation.

*Amanah Pet Shop October 2022*

* Designed the user interface for Amanah Pet Shop app using Figma.
* Created layout designs for home, menu, and transaction pages.

**Programmer**

*Parliament Building Navigation Map March 2024*

* Developed an interactive navigation map application using Unity for the DPR RI environment.
* Designed and implemented location search and fastest route selection features.
* Integrated mapping logic and route search algorithms for efficient navigation.

*Smart Waste Bank Information System March 2023*

* Developed a web-based waste management system integrating waste data and transactions to improve efficiency and effectiveness.

*Village Website of Nagara Tengah December 2022*

* Led the design and development of a responsive and visually appealing website for Nagara Tengah Village.
* Structured information covering village profile, public services, news, and contact info accessible to the community.
* Built the website using HTML with a simple, fast, and user-friendly design approach.

*Coffee Shop Management System December 2022*

* Developed an online self-service and management application.
* Delivered a functional and intuitive website allowing users to perform transactions more efficiently.

**Machine Learning**

*Sentiment Analysis of DPR RI Social Media June 2024*

* Used Python for text preprocessing, sentiment analysis, and result visualization.
* Processed datasets from various social media platforms to gain data-driven insights into public opinion.
* Assessed public perception of DPR RI's performance and policies using text-based sentiment analysis.

*License Plate Recognition System May 2024*

* Built a vehicle license plate detection and recognition system using Python for the DPR RI Secretariat General environment.
* Automatically detected and counted incoming vehicles via camera.
* Extracted and stored vehicle plate data for documentation and security purposes.

*DPR RI Partner Dataset Analysis February 2024*

* Analyzed partner datasets to support meetings and decision-making by DPR RI.
* Processed and visualized data using Tableau for clear and informative presentation.

*Movie Recommendation System Using K-Nearest Neighbor June 2023*

* Led a movie recommendation project using KNN to determine the best-quality movies to watch.

*Marine Fish Production Analysis in West Java Using K-Means December 2022*

* Led a group in analyzing marine fish production in West Java Province using the K-Means method.

**Publications**

***Analisis Perbandingan Metode Think-Aloud, Evaluasi Heuristik dan Cognitive Walkthrough*** *April 2024*

***untuk Evaluasi Usability pada Aplikasi Simpeda***

*JUSTIN (Jurnal Sistem dan Teknologi Informasi) Vol 12, No 2 (2024)*

**Skills**

* Soft Skills: Public Speaking, Leadership, Team Work, Critical Thinking, Problem Solving, Creativity, Time Management, Adaptability.
* Technical Skills: Python, MySQL, Tableau, PHP, C, C++, CSS, HTML, Figma.

**Awards**

**Bank Indonesia Scholarship** *2022* ***–*** *2024*