

# Muhammad Ghufuran

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github.com/Ghufuranbakrie

## Summary

As a student majoring in Informatics at Syiah Kuala University, I, Muhammad Ghufuran, have a strong interest in software development. Since the beginning of my studies, I have understood the flow of the field I am passionate about. To this day, I continue to deepen my understanding and hone my skills. I am confident that I am very interested in the world of technology. I believe that my knowledge and understanding will make me a valuable contributor in the technology field work environment.

## Education

<b>Syiah Kuala University</b> <i>Bachelor of Science in Computer Science (GPA: 3.53 / 4.00)</i> <ul style="list-style-type: none"><li><b>Relevant Coursework:</b> Web Development, Front-End Frameworks, Mobile App Development, User Experience Design</li></ul>	Expected May 2025 Banda Aceh, Aceh
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## Experience

<b>Bangkit Academy</b> <i>Mobile Development</i> <ul style="list-style-type: none"><li>Developed expertise in mobile development using Kotlin, including hands-on projects creating dynamic and responsive Android applications.</li><li>Worked collaboratively on a capstone project, Fintrack, creating a financial app for SMEs and integrating machine learning models for expense categorization and financial analysis, including forecasting.</li><li>Enhanced problem-solving skills by tackling real-world mobile development challenges, optimizing app performance, and ensuring user-friendly interfaces.</li></ul>	Feb 2024 – Jun 2024 Online
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## Projects

<b>Fintrack   Financial App for SMEs</b> <ul style="list-style-type: none"><li>Developed a customized financial management application for small and medium-sized enterprises (SMEs).</li><li>Implemented machine learning models for expense categorization and financial analysis, including forecasting.</li><li>Integrated these models into the Android application, enabling users to track and analyze their financial data.</li><li>Implemented user account functionality to store and manage financial records and history.</li><li>Added data visualization feature within the application to provide better understanding of financial trends and user spending patterns, including forecasting to assist users in planning their finances for the future.</li></ul>	
<b>Euran Waste Management System   Integrated Waste Payment Project with Laravel</b> <ul style="list-style-type: none"><li>Developed an integrated waste management system called "Euran" using the Laravel framework.</li><li>Implemented features for users to pay waste collection fees and manage their payments seamlessly within the application.</li><li>Designed a user-friendly interface for users to register, log in, and view their payment history.</li><li>Integrated with local payment methods or offline payment options to facilitate waste collection fee payments.</li><li>Developed a dashboard for waste collectors to view scheduled collections, update collection status, and generate reports.</li><li>Implemented a notification system to alert users and waste collectors of upcoming collections and payment deadlines.</li><li>Utilized geolocation services to optimize waste collection routes and schedules for efficient operations.</li><li>Ensured scalability and maintainability of the application by following best practices in Laravel development.</li></ul>	
<b>SI2PE (Research Management Information System)   Web-Based Programming Project</b> <ul style="list-style-type: none"><li>Development of a website SI2PE to facilitate submission and evaluation of research reports between students and supervising professors.</li></ul>	

- Students can submit research reports online through the SI2PE platform and select their registered supervising professors.
- Supervising professors can review and evaluate the research reports submitted by students through SI2PE.
- This system aims to transform the traditional face-to-face meetings between students and supervising professors into a digitalized process, aligning with the current technology trends.
- The project aims to provide ease in the process of submission and evaluation of research reports, similar to the processes of online shopping, online food ordering, and online learning that have become trends.
- SI2PE will utilize web technology to provide a user-friendly interface, and will be supported by a database to store research report data and user information.

**Personal Finance App with Zakat Feature | Figma Design Project**

- Designed a user interface for a personal finance app with an added zakat feature using Figma.
- Created wireframes and visual layouts for the dashboard, transaction recording, financial reports, settings, and zakat feature.
- Focused on simplicity and ease of use, ensuring clear navigation and intuitive interaction for users.
- Incorporated modern design principles and color schemes to enhance the visual appeal of the application.
- Collaborated with team members to gather requirements and iterate on design iterations.
- Provided detailed annotations and specifications to assist developers in implementing the design.

Technical Skills

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**Languages:**Kotlin, JavaScript, php,  
**Technologies:** React.js, laravel  
**Designing:** I find pleasure in the process of designing, where I can combine creativity, precision, and strategic thinking to create something unique and meaningful.

Organizational Involvement

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<b>Vice Chair of Communication, Information Department Informatics Student Association</b>	2023
<i>Syiah Kuala University</i>	<i>Banda Aceh, Aceh</i>
<ul style="list-style-type: none"> <li>• Led communication and information efforts to strengthen organization engagement and visibility.</li> <li>• Planned and implemented creative strategies to enhance organization activities and events.</li> <li>• Created and managed the Instagram presence for Informatics (@hmif.fmipausk), ensuring compelling and relevant content to increase interaction with members and wider audience.</li> <li>• Collaborated with other departments to ensure smooth coordination and achievement of organizational goals.</li> </ul>	
<b>Member of Research and Development Informatics Student Association</b>	2024
<i>Syiah Kuala University</i>	<i>Banda Aceh, Aceh</i>
<ul style="list-style-type: none"> <li>• Engaged in research and development activities, contributing to the advancement of student-led projects.</li> <li>• Collaborated with fellow members to explore new ideas and technologies for innovative projects.</li> </ul>	

Hobbies

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**Reading:** I enjoy exploring topics in Psychology, Sociology, and Philosophy to broaden my understanding of human behavior and society.  
**Watching Videos:** I'm interested in comedy action videos, and technology, which continuously expands my knowledge in these fields.  
**Designing:** I find pleasure in the process of designing, where I can combine creativity, precision, and strategic thinking to create something unique and meaningful..