

Bernard Fabian

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I am a Computer Science undergraduate at Universitas Bina Nusantara with experience in software development, IoT, and web technologies. I have developed projects such as an IoT-based air monitoring system and a social fundraising platform, utilizing skills in Java, Python, C++, HTML, CSS, and JavaScript. My expertise extends to mobile app development with Android Studio and Firebase, as well as augmented reality development with Unity. Through academic and organizational involvement, I've cultivated strong problem-solving, collaboration, and time-management skills, with a passion for leveraging technology to solve real-world problems.

EDUCATION

S1 Computer Science, Universitas Bina Nusantara 2022 – 2026 (Expected)

- GPA: 3,31
- Relevant courses: Algorithm and Programming, Scientific Computing, Human Computer Interaction, Database Technology, Computer Vision in Internet of Things, Artificial Intelligence, Object Oriented Programming, and many more.

SMA Science, SMA Kuntum Cemerlang 2019 – 2022

- Grade : 84,39

ORGANIZATION EXPERIENCE

Himti Care, Himti BINUS University Bandung March 2023 – March 2024

- Organize and manage bonding events for HIMTI members
- Support the planning and smooth execution of internal activities
- Work with the team to create a positive and inclusive environment
- Help resolve any issues that come up during events
- Ensure good communication within the team and with other departments
- Participate in meetings to review event outcomes and team performance

UNIVERSITY PROJECTS

- **“Dual-Parameter Air Monitoring System” Paper** 2024
Developed an IoT-based air monitoring system utilizing the MQ135 sensor for air quality measurement and the DHT11 sensor for environmental parameter monitoring. Features :
 - Real-Time Display: An LCD screen that shows air quality indices, temperature, and humidity readings.This paper was accepted for presentation at ICORIS 2024, highlighting innovative IoT solutions for environmental monitoring.
- **Fund Aid Hub** 2024
Developed a social fundraising platform using HTML, CSS, JavaScript, PHP, and MySQL. The platform enables users to create and support charitable campaigns across various categories, connecting donors with social initiatives to foster community impact.
- **Style Space** 2024
Developed a furniture shopping application using Java and Firebase. The app features user account creation for personalized recommendations, augmented reality visualization of furniture in real spaces, and interactive design tools, providing a seamless and engaging shopping experience.
- **ResQ Food** 2023
Developed and launched an online web shop dedicated to offering discounted foods nearing expiration, designed to help consumers save money on groceries while reducing food waste.

SKILLS

Soft skill:

- Problem Solving
- Communication
- Creativity
- Adaptability
- Critical Thinking
- Collaboration
- Time Management

Hard skill:

- Web Development (HTML, CSS, JS, PHP, React, Node.JS)
- Mobile App Development (Android Studio)
- IoT Implementation (Arduino)
- Augmented Reality Development (Unity)
- Programming Languages (Java, Python, C, C++, C#)
- Database Management (MySQL)
- Version Control (Git)
- Figma
- Microsoft Office (Word, Excel, Power Point).