

# Rahiim Tahajjadanzaahir Haq

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## SUMMARY

Frontend Developer with strong expertise in React, Vite, TailwindCSS. Certified Network Administrator (BNSP) with competencies in network topology design, network security, routing configuration, performance monitoring, troubleshooting, and mitigation of network attacks. Additional background in embedded systems and satellite R&D (BRIN), enabling end-to-end problem solving across software, hardware, and network domains.

## EDUCATION

### IPB University

Computer Engineering Technology/Bachelor of Applied  
GPA 3.59/4

**Bogor**

August 2021 – August 2025

## WORK EXPERIENCE

### PT Streamline Solution Indonesia

**Distance**

Frontend Developer (Freelance/Project Based)

August 2025 – Now

- Developed a bilingual (EN/ID) company profile website using React (Vite) + TailwindCSS with responsive, interactive, and SEO-optimized pages.
- Improved UI/UX across the SSI app by fixing layout issues, refining mobile responsiveness, and enhancing navigation elements such as the hamburger menu and bottom navbar.
- Revamped the landing page with a fresh, user-friendly design, optimized visibility of key components, and implemented dynamic login button logic.
- Simplified and cleaned multiple sections by removing unused elements, fixing overflow issues, and hiding empty UI blocks for a cleaner interface.

### BRIN Satellite Technology Research Center

**Bogor**

Research Intern

January 2025 – May 2025

- Developed satellite communications software based on GNU Radio and SDRAngel to control and automate the process of transmitting and receiving APRS signals using Software-Defined Radio (SDR) devices such as ADALM-Pluto
- Designed and schematicized and layout PCBs for the development of On Board Computer (OBC) microcontroller-based satellites STM32H7 using EasyEDA, supporting miniature avionics systems for next-generation satellites.

## PROJECT EXPERIENCE

### Embedded System – Badan Riset dan Inovasi Nasional (BRIN)

**Bogor**

Prototype On-Board Computer (OBC) Satelit

January 2025 – May 2025

- Leading the development of OBC prototypes from scratch to functional products for BRIN NEI Satellites, covering the entire hardware lifecycle from schematic design to 2-layer PCB assembly
- Developed real-time firmware using FreeRTOS on STM32H753VIT6, successfully achieving stable acquisition and recording of telemetry data with a system voltage deviation of less than 0.1%
- Validate system reliability through functional testing, proving the prototype's ability to maintain predictable power consumption profiles and consistent logging every 1 second

### Capstone Cyber Security – Bisa AI Academy

**Bogor**

Website Port Scanning - UI UX & Frontend Engineer

February 2024 – June 2024

- Designing and building an intuitive user interface (UI) from wireframe stage to interactive prototype in Figma, successfully transforming complex network data into user-friendly visualizations
- Increase team workflow efficiency by 20% (estimated) by developing and integrating a stable Flask-based REST API, accelerating the process of identifying security gaps
- Implement a responsive front-end using pure HTML, CSS, and JavaScript, ensuring a consistent user experience across multiple devices

### Internet of Things (IoT) – IPB University

**Bogor**

IoT-Based Fish Automated Metered Feed System – Software Engineer

February 2024 – July 2024

- Develop cost-effective smart aquaculture solutions, automatically controlling 5+ sensors and actuators (temperature, pH, TDS, motor) to improve operational efficiency for local farmers.
- Empowering users with real-time control through full integration to the Blynk IoT platform, enabling remote monitoring and adjustment of feed doses and reducing the potential for crop failures.

## **Embedded System – Curug Cikoneng, Bogor**

**Bogor**

*Vending Machine Karaoke – Hardware Engineer*

July 2023 – November 2023

- Successfully deployed a commercial entertainment system in public tourist locations (Curug Cikoneng) visited by hundreds of people every week, creating new sources of income and entertainment
- Designing and integrating complex hardware systems, including coin acceptors, relays, and AC/DC & DC/DC power conversion systems controlled by ESP32 microcontrollers
- Improve visitor engagement by developing a web-based interface that allows for self-contained and automated control of music and duration

## **ABILITY**

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**Languages:** English (active), Arabic (active)

**Software:** Figma, Corel Draw, Canva, EasyEDA, STM32CubeIDE, Arduino IDE

**Technology & Programming:**

Full Stack Development: Express.js, React.js, Prisma, PostgreSQL

Embedded System: STM32, ESP32, Arduino

Frontend & UI/UX: HTML, CSS, Tailwind, ShadCN UI

Networking & Cybersecurity: Network topology design, routing configuration, network security

**Others:** Control system management & System optimization, debugging & troubleshooting, team collaboration, organizational skills

**Interest:** Cyber Security, Data Science, Data Analyst, Full-Stack Developer, Internet of Things (IoT)

## **CERTIFICATIONS/COMPETENCIES**

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**Network Administrator – Sertifikat Kompetensi BNSP**

October 2025 – October 2028

[Certificate.pdf](#)

**CyberSAFE – CertNexus**

June 2024

[Certificate.pdf](#)

**Bisa AI Academy (Cyber Security) – Magang dan Studi Independen Bersertifikat**

June 2024

[Certificate.pdf](#)

## **LEADERSHIP/ORGANIZATIONAL EXPERIENCE**

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**Alumni Career Center (ACC) SV IPB**

**Bogor**

*Membership & Social Media*

January 2024 - Now

- Make branding posters related to information on job vacancies, internships, activities and so on that are published on the Instagram Alumni Career Center
- Create an attractive design for Instagram social media acc\_svipb

**DKM Al Ghifari Mosque IPB**

**Bogor**

*Head of Takmir of Al Ghifari Mosque IPB*

August 2023 – August 2024

- Leading and supervising 10 members who serve as treasurers, secretaries, public relations and publications and facilities of mosque infrastructure
- Supervise the implementation of activities that require funds such as Ramadan, Eid al-Fitr, Eid al-Adha.
- Lead and supervise the building, facilities and infrastructure of the mosque.
- Supervising the recruitment process of the committee at committee events such as Eid prayers, Eid al-Adha/qurbani by facing 1000 worshippers

**LDK Al Ghifari IPB**

**Bogor**

*Head of the Islamic Program Department*

February 2023 – November 2023

- Lead strategic planning, execution, and evaluation for the entire department's work programs that focus on the spiritual and intellectual development of IPB students.
- Managing and coordinating 3 flagship programs consistently, including Al-Ghifari Mengaji (guidance of the Quran), bi-weekly Routine Study, and daily digital content management One Day One Reminder (ODOR).