

AFARREL FEBRYAN GHIFFARI PUTRA ANDY

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Taman Pondok Jati Blok CO-15

I am a second year informatics engineering student at Sepuluh Nopember Institute of Technology (ITS), Surabaya. I am dedicated to continuously enhancing my skill and knowledge through involvement in organization and competition experience at both national and international levels. With my experience in winning competition and organizing various events, I hope to continuously improve my skill and explore my potential talent in order to create positive impacts and bring benefits for the society

Education

Institut Teknologi Sepuluh Nopember - Surabaya, East Java, Indonesia

Aug 2024 - Sep 2028 (Expected)

Undergraduate Student, 3.94/4.00

- 2nd Winner Innovation Challenge (ICON 3.0) by Pelindo Solusi Digital (PT ILCS) (2025)

Al Hikmah Senior High School - Surabaya, East Java, Indonesia

Jul 2021 - Jun 2024

Senior High School, 93.18/100.00

- Bronze Medal ISIF Turkey 2023 (2023)
- Bronze Medal IYSC 2022 (2022)
- Bronze Medal BUCA IMSEFF Turkey 2022 (2022)

Professional Experiences

Informatics Engineering Department - Data Structure Teaching

Feb 2026 - Present

Assistant - ITS Surabaya

Teaching Assistant

Served as a Teaching Assistant for the Data Structure subject, supporting the lecturer in academic and instructional activities for a class of 100+ undergraduate students.

- Assisted the lecturer in preparing and delivering course materials, including problem sets and programming assignments, for a class of 100+ students
- Guided students in understanding core data structure concepts such as arrays, linked lists, stacks, queues, trees, and graphs
- Supervised laboratory sessions and practical programming exercises using C and C++

Informatics Engineering Department - Numerical Computing

Feb 2026 - Present

Teaching Assistant - ITS Surabaya

Teaching Assistant

Served as a Teaching Assistant for the Numerical Computation course, supporting the lecturer in academic and instructional activities for a class of undergraduate students.

- Assisted the lecturer in preparing and delivering course materials, including problem sets and practice questions, for a numerical computation course with 50 students.
- Guided and supported students in understanding fundamental numerical computation concepts, including numerical methods, algorithm implementation, and computational problem-solving.
- Assessed assignments and examinations and provided constructive, actionable feedback to support student learning and performance.

SPMB Jawa Timur 2026 - Surabaya, East Java

Jan 2026 - Present

IT Support and Data Administrator

SPMB East Java is an online student admission system managed by the East Java Provincial Government for enrolling students into public senior high schools (SMA/SMK). The system ensures a transparent and centralized selection process through several admission pathways, such as zoning, achievement, and special quotas.

- Developed and optimized advanced database queries to extract critical insights from large-scale databases supporting hundreds of thousands of users, aligned with stakeholder requirements.
- Managed and maintained all administrative processes and system documentation for the SPMB website, serving hundreds of thousands of active users.
- Acted as the primary liaison and negotiator between the development team and clients to ensure smooth delivery for a high-traffic public-facing platform.

PT Wahana Supra Sinergi - Surabaya, East Java

Sep 2025 - Present

Digital Marketing Staff (Remote Work)

Wahana Supra Sinergi is a client-focused Information Technology Consulting and Professional Services company that experience in the IT industry providing independent advice and implementation services which offer direct business benefits.

- Managed and created engaging visual designs for LinkedIn and other digital platforms to strengthen the company's brand presence and online engagement.

- Oversaw the company's website, including content updates, layout optimization, and performance monitoring to enhance user experience.
- Informatics Engineering Department - Linear Algebra Teaching Assistant - ITS Surabaya

Teaching Assistant

Served as a Teaching Assistant Coordinator for the Linear Algebra course, supporting the lecturer in academic and instructional activities for a class of 130+ undergraduate students.

 - Assisted the lecturer in preparing and delivering course materials, including problem sets and practice questions, for a class of 50 students.
 - Guided and supported students in understanding fundamental concepts such as matrices, determinants, vector spaces, and linear transformations
 - Evaluated assignments and exams, and provided constructive feedback to students

Organizational and Training Experience

- Schematics ITS - Surabaya, East Java

Feb 2025 - Present

Staff Technical National Logic Competition (NLC)

Schematics is a student-led event by the Informatics Engineering Department of Institut Teknologi Sepuluh Nopember, focusing on programming and logic competitions while also introducing technology to the public through engaging seminars and exhibitions

 - Responsible as a member of the Technical Subdivision Staff for NLC 2025, with approximately 1,000 teams (around 3,000 participants) competing in the event.
 - Designed the game concept, guidebook, scoring rules, and point calculation system for the quarter-final stage of NLC 2025.
 - Collaborated with all members of the Technical Subdivision Staff in designing on-field games during NLC 2025. buat jadi kalimat

- ITS Robocon - Surabaya, East Java

Oct 2024 - Nov 2024

Programming Division Intern

ITS Robocon is a robotic research team at Institut Teknologi Sepuluh Nopember (ITS) that focuses on developing robots for the ABU Robocon Indonesia competition.

 - Learned about Object-Oriented Programming (OOP) and Inverse Kinematics in robotics.
 - Studied PID control and the use of STM32 software for programming microcontrollers such as Arduino Nano, Raspberry Pi, and ESP32.
 - Learned about Robot Operating System (ROS) 2 Humble on Linux Ubuntu and implemented it in a project.
 - Completed a final project involving a simulation of robot movement using keyboard control and PID control.

- ASTEC - Surabaya, East Java

Feb 2023 - May 2023

Vice Project Officer 3

ASTEC 2023 is an annual event organized by Al Hikmah Senior High School Surabaya, providing a platform for junior and senior high school students across Indonesia to showcase their talents in sports, reasoning, business, and arts. The event also featured a talk show, FilmTalk, with Bayu Skak as the speaker, attended by over 250 participants.

 - Coordinated Film Talk, a talk show about film and cinematography featuring a director and content creator Bayu Skak as the speaker.
 - Coordinating more than 100 committees from various divisions
 - Created and designed the whole events along with the proposal in collaboration with Organizing Committee (OC)

Skills, Projects, & Other Experience

- **Victoria Property Website** (2026): Handled front-end development for the Victoria Property website, ensuring responsive design, optimal performance, and a user-friendly interface.
- **Lucretia Clothing Brand Website** (2025): Designed and developed a modern e-commerce website for Lucretia, a clothing brand, using React and Laravel to showcase products and enhance customer interaction.
- **WSS Company Website** (2025): Designed and developed a responsive landing page for an IT company (WSS) using React to improve online visibility and client engagement.
- **UI/UX - myPelindo One Gate Portal** (2025): Designed and analyzed the user interface and experience for the integration of multiple logistics systems into a unified digital service platform
- **Data Science dan Machine Learning**
- **Responsible, Reliable, and Goal-Oriented**
- **Discipline, Hardworking, and Committed**
- **Data Science and Machine Learning**