

## Contact

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## Top Skills

Team Management

Time Management

Project Management

# Muhammad Farhan Ilham

Telecommunications Systems Student | IoT & Arduino Developer |  
Network & Electrical Maintenance | Open to Internship Opportunities  
Jakarta Metropolitan Area

## Summary

Farhan is a Telecommunications Systems student at Universitas Pendidikan Indonesia (UPI) with a strong interest in technology development, particularly in IoT (Internet of Things), networking, and Arduino-based systems. He has hands-on experience in technical activities such as device maintenance, network installation, and developing Arduino-based projects, including a water temperature monitoring system. These experiences have strengthened his problem-solving skills and practical technical understanding. In terms of organizational experience, Farhan has been actively involved in student activities and served as the Project Leader for a community service program titled "Sistel Mengabdikan Menggagas Harapan." In this role, he was responsible for planning, coordinating teams, and executing programs that directly engaged with the community. He has also contributed to various committees, including social and national events, which enhanced his communication, leadership, and time management skills. Farhan believes that technology is not only about systems but also about creating impactful solutions for society. Therefore, he continuously develops both his technical and soft skills. He is currently open to opportunities for learning, collaboration, and internships in telecommunications, IoT, and technology-related fields.

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## Experience

Himpunan Mahasiswa Sistem Telekomunikasi (HMST), Universitas Pendidikan Indonesia – Purwakarta

1 year 11 months

Project Leader – Community Service Program (Bina Desa HMST 2024)  
July 2024 - Present (1 year 11 months)

Purwakarta

- Led a community service program (Bina Desa) in Mekarsari Village, conducted over 7 days, focusing on education, technology, and community empowerment.
- Designed the overall concept and grand design of the program, including activity planning, objectives, and execution strategy.
- Managed and coordinated a team of 87 committee members and 20 volunteers to ensure smooth and effective program implementation.
- Supervised and aligned 8 divisions, ensuring clear communication, task distribution, and collaboration across teams.
- Acted as the main decision-maker and person in charge, handling challenges, problem-solving, and on-site coordination.
- Built strong engagement with the local community through educational activities and technology introduction programs.

Vice Chairman – Himpunan Mahasiswa Sistem Telekomunikasi (HMST)  
October 2024 - December 2025 (1 year 3 months)

Purwakarta, West Java, Indonesia

- Served as Vice President, overseeing organizational operations and strategic direction.
- Led and coordinated 79 members across 10 departments to ensure effective collaboration and performance.
- Supervised the execution of 41 work programs, ensuring alignment with organizational goals and timelines.
- Acted as Steering Committee for all programs, providing direction, evaluation, and decision-making support.
- Managed internal coordination, problem-solving, and communication between departments and leadership.
- Contributed to organizational development through leadership, planning, and team management.

PT. Putra Sinar Permaja – South Quarter  
Maintenance Technician Intern

January 2022 - Present (4 years 5 months)

South Jakarta

- Assisted in maintaining building systems, including CCTV and supporting infrastructure, to ensure optimal performance and security.
- Developed and documented communication network topology within building areas to improve system understanding and maintenance efficiency.
- Installed and configured basic networking cables to support server and communication system requirements.

- Built and implemented a simple Arduino-based system for water temperature monitoring.
- Supported troubleshooting and routine inspection of technical systems within the building environment.
- Collaborated with the technical team to ensure all maintenance activities were carried out effectively and on schedule.

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## Education

Universitas Pendidikan Indonesia

S1, Sistem telekomunikasi · (2023)

SMK Muhammadiyah 7 Jakarta

Vocational High School, Teknik Komputer dan Jaringan (Computer and Network Engineering) · (July 2020 - July 2023)