

Muhammad Alif Ghazali

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Central Jakarta, Indonesia

Summary

Semester 5 Computer Science student at Binus University with a strong interest in Networking and Cyber Security. Proven ability to translate theory into practice; managed and integrated fingerprint devices requiring intermediate networking skills such as IP configuration, subnetting, DHCP, and network troubleshooting. Fast learner with hands-on experience in device deployment and a keen interest in secure, networked systems.

Education

Binus University GPA: 3.65/4.00	Jakarta, Indonesia
<i>Bachelor of Science in Computer Science, Specialization in Network Technology</i>	<i>Aug. 2023 — Feb. 2027</i>

Publications

- **Perdana, G. A.**, et al. (2025). "CALM: Calibrated Adaptive Learning via Mutual-Ensemble Fusion." *Procedia Computer Science, ICCSCI 2025*. (Accepted)

Experience

Network & Systems Integration Intern	Jul. 2025 – Aug. 2025
<i>PT LRT Jakarta</i>	<i>Jakarta, Indonesia</i>
<ul style="list-style-type: none">• Configured and deployed ZKTeco WDMS fingerprint scanner system for vendor attendance, including device setup, network configuration, and integration with existing infrastructure, reducing time spent on attendance administration and improved operational efficiency.• Enhanced and digitalized an existing PowerApps application to streamline operational reporting, introducing automated workflows and digital signatures that reduced reporting time by 50% and minimized manual errors.• Implemented a Microsoft Forms logbook system for 15 employees, enabling direct input and automatic storage, streamlining progress monitoring and improving analytics efficiency for each employees.	

Projects

Embedded Fingerprint Attendance System	Jul. 2025 – Aug. 2025
<ul style="list-style-type: none">• Configured and deployed ZKTeco WDMS fingerprint scanner system for vendor attendance; integrated with network and existing infrastructure, resulting in real-time attendance tracking and eliminating manual log rolls.• Automated data capture of check-in/out timestamps for 100+ vendor personnel, which improved reliability of attendance records and reduced time discrepancies.• Enabled instant generation of attendance reports via automation with Power Automate, eliminating the need for manual cross-checking.• Increased accountability and security by eliminating proxy attendance ("buddy-punching") through biometric verification, boosting trust in attendance data.	
Campus LAN Network Design & Implementation	Sep. 2024 – Dec. 2024
<ul style="list-style-type: none">• Designed & documented a multi-floor star-topology LAN for a university campus, linking individual classroom switches to a centralized core switch and router.• Configured a hybrid IP addressing scheme: manual static IPs for critical workstations and network gear, plus a DHCP pool serving student PCs.• Deployed & managed on-premises servers (DHCP, Apache web, SMTP/IMAP mail), ensuring seamless service discovery and high availability.• Validated network performance and reliability through Packet Tracer simulations and real usage, confirming stable connectivity, minimal packet loss, and consistent low latency across campus.	
Responsive Racing Game UI (Front-End Project)	Nov. 2024 - Jun. 2024
<ul style="list-style-type: none">• Designed a modern, racing-themed interface in Figma inspired by <i>Gameloft's Asphalt Legends</i>, focusing on responsive layout and visual consistency.	

- Translated Figma prototypes into a responsive front-end using HTML, CSS, and JavaScript, maintaining pixel-perfect accuracy across devices.
- Implemented fully validated sign-up and login features using JavaScript.
- Applied design thinking principles in Figma to create a clean, mobile-first UI with an emphasis on user experience and interaction flow.

Activities

Chairperson of Logistics Coordinator & HRD, Dunia (NGO) | Jakarta, Indonesia May. 2024 – Present

- Recruited and managed 60+ volunteers; streamlined onboarding with SOPs, reducing setup overhead by 25%.
- Optimized procurement strategy by conducting pre-purchase need assessments and prioritizing reusable logistics assets, reducing excess spend by 20%.
- Maximized use of digital vouchers and platform-based discounts for logistics purchases, cutting procurement costs by up to 30% without compromising quality.
- Led end-to-end logistics and preparation for large-scale food distribution, enabling the team to cook and deliver 300+ manually prepared meals for both the general public and people in need.

Freshmen Leader, Binus University | Jakarta, Indonesia Jul. 2025 – Sep. 2025

- Led and mentored 50+ freshmen through Welcoming Week activities at Binus University.
- Coordinated orientation schedules and group activities, ensuring smooth transitions for new students through campus tours, ice-breaker sessions, and mentor pairing.
- Advised and supported freshmen during their adjustment week, answering queries about campus culture, study strategies, and available academic/social resources.

Certifications

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- Cisco (2025): Network Basics.
- Cisco (2025): Introduction To Cyber Security.

Technical Skills

Programming Languages: C/C++ (proficient), Java, Python, SQL, HTML/CSS, Go

Web Development: HTML, CSS, C#

Networking: Cisco Packet Tracer, Network Topology Design, IP Management (Static & DHCP), Network Testing & Documentation

Linux & System Administration: Access Control List, Scheduled Task Automation, Package Management, Systemd Service Management (Firewall, nginx, Apache2, fail2ban, SELinux), Network Debugging, Log Analysis, File & Disk Encryption

Penetration Testing Tools & Red Teaming: Nmap, SQL Injection, XSS, Command Injection, Vulnerability Analysis

Virtualization & Containerization: VMware, Virtual Box, virt-manager

Developer Tools: Git, VS Code, Visual Studio, Eclipse

Concepts: Data Structures & Algorithms, OOP, Agile/Scrum Methodologies

Soft Skills: Effective Communication, Adaptability, Technical Writing & Documentation, Team Collaboration

Languages

Indonesian (Fluent)

English (Fluent)